GATEWAY COMPUTER CLUB

GAZETTE

VOLUME 01

1983/1984

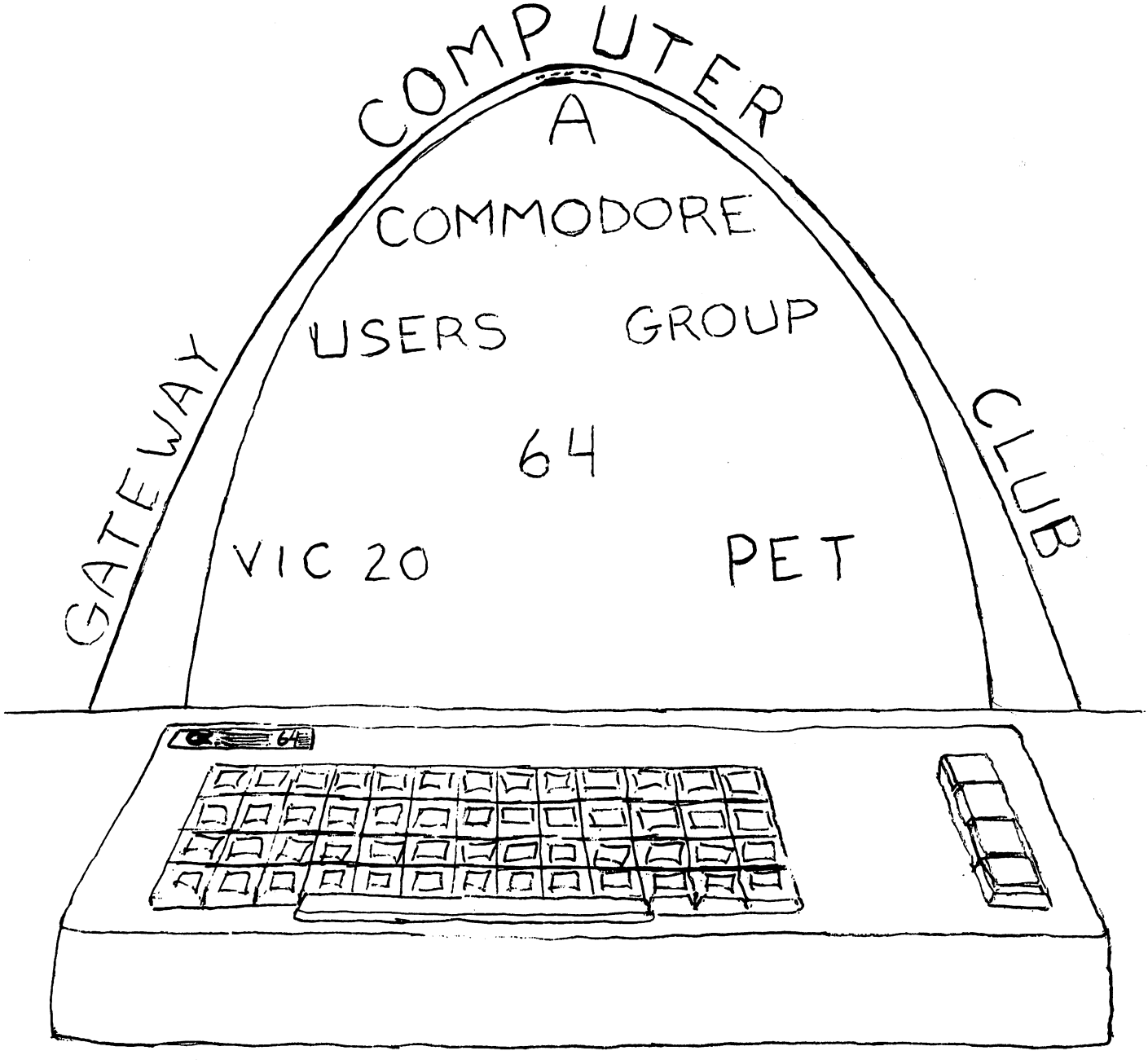
01, 03-09

Numbering is weird

Missing Vol 1 No. 2

GATEWAY COMPUTER CLUB

GAZETTE



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MON. - FRI 9 TO 7
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CLUB LIBRARY UPDATE

These are the ways to get a disk from the library.

1) Order the disk from me, to have it ready for the next meeting. The cost of the disk is $5.00.

2) Send a check or money order, or check for $8.00, and which disk you want, to the G.C.C. Library - P.O. BOX 1838 FAIRVIEW HEIGHTS IL. 62208. The disk will be sent by return mail.

3) Bring your computer to the meeting, and copy the disk free during the open section of the meeting.

PLEASE, give me at least 5 days notice, if you would like to have a disk ready for the meeting.

We also have the COMMODORE PUBLIC DOMAIN DISKS. Currently we have disks AA-MB. If you would like to see a listing of the set, please see me at the meeting. We will be getting the rest of the set very shortly, hopefully by the next meeting.

TPUG

"tutorials.c " e1 2a

3	"list-me (c)e1"	prg
70	"ponzo tutor-1.64"	prg
67	"ponzo tutor-2.64"	prg
75	"ponzo tutor-3.64"	prg
64	"ponzo tutor-4.64"	prg
67	"ponzo tutor-5.64"	prg
61	"ponzo tutor-6.64"	prg
60	"ponzo tutor-7.64"	prg
9	"buttermon250000"	prg

"tutorials.c " e2 2a

2	"list-me (c)e2"	prg
76	"sprites tut-1.64"	prg
31	"sprites tut-2.64"	prg
71	"graphic tut-1.64"	prg
23	"graphic tut-2.64"	prg

"tpug 64 cont 83 " 83 2a

1	"d campbell------"	prg
30	"light cycles 64!"	prg
1	"d francis-------"	prg
16	"voyager vi"	prg
32	"40 radius"	prg
32	"60 radius"	prg
32	"sphere.1"	prg
32	"10 degrees"	prg
32	"20 degrees"	prg
32	"30 degrees"	prg
32	"45 degrees"	prg
32	"60 degrees"	prg
32	"70 degrees"	prg
32	"80 degrees"	prg
32	"90 degrees"	prg
32	"120 radius"	prg
32	"150 radius"	prg
32	"180 radius"	prg
32	"et.plot"	prg
32	"globe"	prg

"june tpug 1983.c" tv 2a

7	"list-me (c)tv"	prg
3	"slideshow.c"	prg
4	"hrsupp.d"	prg
16	"hrsupp/basic.c"	prg
36	"hrsupp.src.c"	seq
7	"hrtest.c"	prg
32	"dragon.d"	prg
32	"tank.d"	prg
32	"polish.d"	prg
32	"blither.d"	prg
32	"uncle.d"	prg
32	"glockenflute.d"	prg
27	"ratrun.c"	prg
17	"space nim.c"	prg
12	"bio-compat.c"	prg
12	"bio-ploter.c"	prg
17	"bio-printer.c"	prg
25	"hangman.c"	prg
5	"a story.c"	prg
10	"supermon.c"	prg
24	"supermon inst.c"	prg
27	"sound helper.c"	prg

"pictures 1.c " g1 2a

1	"list-me cg1.1"	prg
5	"cont.ldr.ml"	prg
8	"hi res loader"	prg
1	"screen"	prg
6	"cont.ldr.pal"	prg
32	"spiral.1"	prg
32	"sue"	prg
32	"karen"	prg
32	"snoopy"	prg
32	"albert"	prg
32	"dollar"	prg
32	"dip"	prg
32	"snail"	prg
32	"des.1"	prg
32	"7-3hill"	prg
32	"music"	prg
32	"map"	prg
32	"diane"	prg
32	"willy"	prg
32	"raccoon"	prg
32	"sincos1"	prg
32	"watch"	prg
32	"winston"	prg
32	"micrometer"	prg
32	"nude"	prg

"pictures 2.c " g2 2a

1	"list-me cg2.1"	prg
5	"cont.ldr.ml"	prg
9	"hi res loader"	prg
1	"screen"	prg
7	"cont.ldr.pal"	prg
32	"squeeze"	prg
32	"tex"	prg
32	"hopalong"	prg
32	"guy"	prg
32	"fig1"	prg
32	"fig2"	prg
32	"fig3"	prg
32	"mound2"	prg
32	"eyes"	prg
32	"friends"	prg
32	"sincos2"	prg
32	"satellite"	prg
32	"donald.duck"	prg
32	"vm.things"	prg
32	"sesame.st"	prg
32	"nude.rev"	prg
32	"vis.rosette"	prg
32	"vis.gla"	prg
32	"xmas.card.1"	prg
32	"4hill5"	prg

PUBLIC DOMAIN ...

"c4 public domain" p1 2a

12	"'public domain'"	prg
1	"---games---"	prg
18	"battleship"	prg
17	"bomardier"	prg
13	"crops"	prg
16	"general"	prg
13	"key move"	prg
9	"letter square"	prg
14	"money mad"	prg
12	"one checker"	prg
20	"osero"	prg
9	"spades inst."	prg
24	"spades prog."	prg
56	"stoneville manor"	prg
1	"--utilities--"	prg
23	"apartments"	prg
36	"banner"	prg
21	"big letters"	prg
25	"car cost"	prg
12	"cash flow"	prg
3	"data r/w"	prg
11	"directory"	prg
3	"fast sort"	prg
7	"global"	prg
9	"grades"	prg
14	"interest rate"	prg
7	"print format"	prg
5	"printer helper"	prg
18	"servings"	prg
14	"sunrise/sunset"	prg
14	"weatherman"	prg
1	"-educational-"	prg
2	"density"	prg
25	"fractions"	prg
6	"grammar"	prg
27	"integer math"	prg
18	"long division"	prg
22	"mechanics"	prg
22	"powers & roots"	prg
20	"stright line"	prg
26	"whole numbers"	prg
18	"word mart"	prg

"p.d. #15 " 01 2a

1	"!"	prg
4	"!dos 5.1"	prg
12	"'public domain'"	prg
13	"3d tic tac toe"	prg
10	"64 memory chart"	prg
2	"64 renumber"	prg
26	"baseball 64"	prg
20	"black box"	prg
22	"checkbook"	prg
10	"chess for two"	prg
20	"concentration"	prg
10	"connect four"	prg
91	"dr. living"	prg
9	"dragon pix"	prg
25	"entertainer"	prg
34	"fugue"	prg
12	"gun fighter"	prg
32	"hangman"	prg
2	"ink blot"	prg
4	"joystick test 64"	prg
24	"jumbo jet lander"	prg
55	"labyrinth (j)"	prg
21	"lander"	prg

```
26   "machine draw"      prg
2    "me.sprite"         seq
16   "old shell game"    prg
9    "petals"            prg
13   "program lister"    prg
25   "scenarios"         prg
11   "sprite ed. disk"   prg
9    "sprite ed. tape"   prg
22   "stock broker"      prg
25   "trek 64"           prg
19   "world time"        prg

   "p.d. #16         " 01 2a

"!"                   prg
4    "dos 5.1"           prg
12   "'public domain'"   prg
2    "hires disk"        prg
2    "hires tape"        prg
32   "cave man"          prg
32   "man"               prg
32   "pattern"           prg
33   "sattlite"          prg
32   "snail"             prg
10   "american flag"     prg
12   "baby care"         prg
9    "bar graph"         prg
2    "city patterns"     prg
18   "epidemic"          prg
17   "flight"            prg
32   "forest walk"       prg
9    "geiger counter"    prg
21   "life expectancy"   prg
18   "master guess"      prg
99   "monopole 64"       prg
58   "nuke 64"           prg
67   "o'hare's adv. #1"  prg
13   "othello for 2"     prg
1    "patterns"          prg
28   "pharoah's needle"  prg
23   "poker"             prg
28   "reg'd supply"      prg
10   "supermon64"        prg
14   "temp. conv."       prg

   "tpug feb 83      " 01 2a

"german(64)bomber" prg
44   "lone(64)ranger"    prg
16   "doctor 8032"       prg
22   "doctor.ins"        prg
12   "revive"            prg
19   "budget"            prg
19   "vic.budget"        prg
15   "bowling"           prg
28   "balance add/sub"   prg
22   "cube"              prg
1    "-d. campbell c64"  prg
13   "pgmable charset"   prg
5    "char display c64"  prg
22   "draw poker c64"    prg
9    "reverse c64"       prg
5    "enterprise c64"    prg
16   "weave"             prg
13   "character gen 64"  prg
17   "petals arnd rose"  prg
1    "-c64 re-release-"  prg
18   "dominoes"          prg
9    "m.b.instructions"  prg
25   "mille bourne"      prg
9    "spade.instructs"   prg
24   "spades"            prg
51   "labyrinth"         prg
36   "tombs c64"         prg
10   "copy-all"          prg
24   "tax 82 ont v1.0"   prg
13   "invoicer"          prg
18   "bas-patch.gen"     prg
5    "irq-patch.gen"     prg
24   "constrictor.4"     prg
8    "expander.4"        prg
3    "colour.pict"       prg
32   "diane.c64"         prg
24   "diane.cdata"       seq
4    "petload 64 prgm"   prg
5    "easy dloader"      prg

   "april 83         " 55 2a

28   "driver"            prg
59   "demo"              prg
3    "bounce"            prg
3    "sprite.data"       prg
4    "screens"           prg
28   "craps"             prg
24   "stock4"            prg
7    "sound demo"        prg
56   "labri3"            prg
28   "driver"1540        prg
60   "demo"1540          prg
3    "bounce"1540        prg
3    "sprite.data"1540   prg
28   "craps"1540         prg
60   "stock4"1540        prg
7    "sound demo"1540    prg
56   "labri3"1540        prg
1    "write letters"     prg
24   "chred"             prg
1    "read letters"      prg
1    "boot dos64"        prg
28   "1541 backup"       prg
17   "xvm4.0"            prg
5    "dos 5.1"           prg
2    "auto-data.64"      prg
1    "alpha"             prg
5    "make sprite"       prg
1    "launch"            prg
3    "string thing 64"   prg
10   "64 memory chart"   prg
10   "copy-all64"        prg
25   "relaccess"         prg
5    "relopen"           prg
1    "block"             seq
28   "1541 backup v4.0"  prg

   "applications     " 33 2a

36   "dbas.access"       prg
7    "dbas.starter"      prg
22   "calorie calc"      prg
5    "rel.read.2.0"      prg
4    "seq.read.2.0"      prg
5    "compound int"      prg
13   "amortization"      prg
14   "checkbook"         prg
8    "multiplication q"  prg
7    "typing teacher"    prg
8    "biorythm"          prg
9    "conversion"        prg
12   "nomenclature"      prg
20   "tiny plan"         prg
12   "coupon control"    prg
2    "calander 1983"     prg
3    "bubble sort"       prg
3    "bubble.ascii"      prg
3    "quicker bubble"    prg
3    "u/l bubble"        prg
3    "shell sort"        prg
2    "numerical sort"    prg
11   "statistician"      prg
22   "tiny plan2"        prg
9    "c-64 trace"        prg
9    "64 editor"         prg
6    "checkbook2"        prg
25   "finance"           prg
60   "tiny plan+"        prg
5    "mailing list"      prg
4    "alphalisting"      prg
24   "petelecbill"       prg
2    "array&data ex"     prg
43   "conversions b"     prg
45   "conversions a"     prg
8    "calculator"        prg
22   "c64 minilogo"      prg
44   "logo.ins.wp"       prg
25   "tiny forth notes"  prg
27   "tiny forth tchr"   prg
27   "!logo.notes.seq"   seq

   DISK OF THE MONTH

   AUG 83          01    64

8    " c64.menu"         prg
5    "clock"             prg
14   "disk recovery"     prg
8    "hi-res basic"      prg
7    "hi-res inform."    prg
1    "sine wave demo"    prg
2    "doodle"            prg
2    "design 1"          prg
2    "gem sketch"        prg
1    "circle routine"    prg
1    "line subroutine"   prg
3    "basic squiral"     prg
26   "music master"      prg
19   "gold rush"         prg
4    "maze gen"          prg
20   "viper"             prg
71   "dog.star.adven"    prg
10   "snoopy"            prg
10   "u.s.a."            prg
5    "hexmon 64 "        prg
29   "othello"           prg
8    "typing teacher"    prg
33   "home energy prog"  prg
6    "checkbook"         prg
46   "pd.capital city"   prg
50   "pd.buffalo chips"  prg
18   "64 calcalc"        prg
46   "biorhythm.c2"      prg
23   "checkers"          prg
45   "dungeon of death"  prg
70   "black box.c2"      prg
3    "## read first"     prg
2    "   directory   "   seq
17   "jumping jack"      prg
9    "one-on-one"        prg
1    "micromon boot"     prg
17   "micromon"          prg
22 blocks free.

   SEPT 83         82    64

3    "unnew.basic"       prg
7    "c64 tiny aid"      prg
13   "program lister 1"  prg
2    "crunch1.0"         prg
3    "peeker/poker"      prg
9    "teleterm.upload"   prg
2    "term.ins"          prg
10   "64 memory chart"   prg
19   "world time"        prg
26   "clock alarm"       prg
51   "snoopy math"       prg
50   "disk cmd.c2"       prg
61   "computing.c2"      prg
15   "mille bornes ins"  prg
25   "mille bornes"      prg
16   "old shell game"    prg
17   "caves of ice"      prg
3    "dollar format"     prg
3    "integer format"    prg
4    "merger"            prg
9    "potholes"          prg
37   "cylon zap+"        prg
1    "cylon scores"      seq
28   "mystery word 64"   prg
13   "3d tic tac toe"    prg
10   "connect four"      prg
9    "spade.instructs"   prg
24   "spades"            prg
32   "hangman"           prg
54   "labyrinth (j)"     prg
18   "epidemic"          prg
21   "lander"            prg
22   "stock broker"      prg
25   "trek 64"           prg
4    "## read first"     prg
8    " c64.menu"         prg
2    "   directory   "   seq
```

The G.C.C. GAZETTE

EDITOR: Bill Morisseau

THE GAZETTE is publlished monthly by the GATEWAY COMPUTER CLUB as a membership service. Please direct all submissions and advertising to box 1831, Fairview Heights, Ill. 62208. Camera ready advertising must be recieved by the tenth of each month to be included in the issue of the following month. Rates are as follows: full page-$28.00, half page-$14.00, Quarter page-$7.00.

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THE CLUB

Membership fee is $10.00 per year, with an additional fee of $3.00 for each additional family member membership. Members recieve access to our programs, literature, BBS. and newsletter. Direct all membership applications and questions to Rich Fisher, P.O. BOX 1831, Fairview Heights, Ill. 62208.

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G.C.C. MEETING DATES

DECEMBER 21,1983

JANUARY 18,1984

FEBRUARY 15,1984

C-64
VIC 20
PET/CBM

GATEWAY COMPUTER CLUB
A COMMODORE USERES GROUP

EDITOR'S VIEW

BOY! Have we got a lot for you this month. First I want you to check out the article below. It will be a valuable expierence for all.

This month you will find a listing of all the current disks in the club library. Look thru it, you may want several for your own library.

John Sundstrom has come through again. See his article on number formatting. I think you will find it interesting and useful.

While I am on the subject of repeat autors, I will make another plea for article. Come on folks, send in what you have. We can use it all. Don't be timid, I have a hard time filling these pages each month. I need help. Won't you help me. We need new blood on these pages.

A new column will begin this month. It is for the new members who need very basic help. I started out with the most common question. How to use the disk drive. Check it out.

REVIEWS: We need them all. Please share your new progams with us all. Good or bad, we want to know. If you made a mistake, it may keep someone else from doing the same. If it is good, spread the good news.

We made the NEWS-DEMOCRAT. See the artilcle on page four. .....Vince Le Pes

STRAZMA TO VISIT G C C

We are very pleased to anounce that Jim Strazma has accepted out invitation to give a talk to the G.C.C. Mr. Strazma is a teacher, author, lectureur, programer, and one of the foremost athorities on the Commodore computers.

The time and date has not been set, but, will be one weekend in February. This will allow us time to let all Commodore users in the bi-state area know of this event. It will be a seperate funtion from our regular meeting. The time and place will be announced in future Newsletters. There will be an admission charge to cover Mr. Strazma's expenses, the hall, and such.

Make plans now to attend. I doubt anyone will be disappointed. An event like this doesn't come very often.

Many thanks to Steve Hamilton of the COMPUTER SOLUTION for contacting Mr. Strazma.

FROM THE TOP

I always felt, that when we started the G.C.C., it would be successful. But, I must admit I am a bit overwhelmed and pleased at the rate we are growing. During the first two months of our existence, things were slow to take hold. Now, our memberhip is simply exploding. We gained more people in the week of our last meeting than in our first two months.

This is great, but with it comes other problems. The additional money and manpower means we can accomplish many goals and projects sooner than planned. The sudden influx of new members also means logistical problems and new needs

One undeniable need is to supply help to the multitudes of new people to computing. We all know and can remember the comfusion and frustration we expierenced when we first got our computers. Many of our new members are not sure how to load programs.

Since it is not practical to do this at the monthy meeting, we must create classes, seminars, and clinics to help these people. With the number of people new to computing buying computers, the problem is not going to go away in the foreseeable future. It will only become worse. We must address this situation now, and act on it quickly. New computer owners are turning to us for help in droves, and it is up to us to provide the answers.

Hopefully after the first of the year we can accomplish this. But, it can't be done by a few. We need all the help we can get. If you have experience or training in this area, or just a desire to help, let me know. We can use you! And we will! Any ideas or sugestions will be greatfully accepted.

In the meantime we can apply the buddy system to learning. Also we can refer new people to outside commercial classes.

I foresee the G.C.C. as a dominate force in computing in this area. With vigelance, this can mean quality community service, expanding computers in education, while prioviding and ideal environmint for hobby computing. We are going to need envolvement by everyone, after all, isn't that what the club is all about?

VINCE LE PES

SHARING INFORMATION IS WHAT COMPUTER CLUBS DO BEST

BY BARBARA HERTENSTEIN
Of the News-Democrat

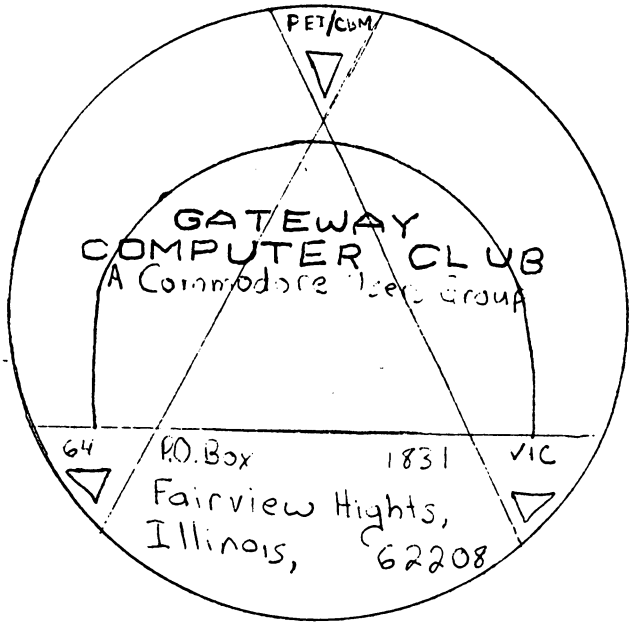
If you need more information about personal computers, you're not alone. Local computer owners have found computer clubs help them find the answers to many of their questions.

"We all got together for the same reason. You buy one of the dern things (computers) and then what do you do with it?" said Bill Morisseau, board member of the Gateway Computer Club (Commodore users) of Fairview Heights.

Sharing information is what local computer clubs do best. .....
.....
..The Gateway Computer Club (Commodore users) began as an informal group meeting in someone's home about two years ago, Morisseau said. When the group grew to almost 50 people, the club was formalized.

Club members of all ages take advantage of the club's software library, Morissear said. A family has access to hundreds of programs recently released into the public domain by Commodore. Through the club's "disc of the Month" program, members can "take home 50 programs" Morisseau said. Discs are duplicated in advance by the club's librarian each month. Educational programs ranging from preschool subjects to higher math and computer programing are available.

Commodore Club members hope to have a bulletin board ready for their members soon, Morisseau said. .....



NUMBER FORMATTING

BY JOHN L. SUNDSTROM

Formatting numbers for printing can be a problem for some programs. I find that dollar amounts especially need to be right justified, not just left justified like happens when the computer is just told to print. I have written two programs - one to format dollar amounts and one to format positive integers. I use these programs as subroutinees in larger programs. The dollar formatting routine handles amounts up to $99,999.99 and the interger formatting routine handles numbers up to 99,999,999. These routines both produce strings for printing which are ten charaters long. It should be noted that this is one print block if only commas are used as separators. Commmas are also inserted to make the large numbers easier to read.

These prograns are very easy to use. Z is used as a variable. A string Z$ is returned for printing. To use either program after they have been made part of your program, just set your answer equal to Z, gosub 9000 and print z$. The only precaution is that all variable and array names starting with Z should be reserved for the subroutine and should not be used for calculations in the main program. As only variables starting with Z are used in the subroutines, all other variables may be used freely.

Until recently, I used the subroutines in other programs by loading the subroutine and typing the main program onto them. Now, a program called MERGER written by Jim Butterfield and published in the October 1983 isssue of compute is used to merge main programs and subroutines together.

Both formatting routines are written in basic so that they can be easily changed. Both routines take nearly a second to execute. my printer is very slow so that this speed is no problem at all. With a line printer, or other high speed printer this slow of a subroutine is very noticeable.If a high speed printout is req uired, a machine language version of the routines is recommended.

```
8985 REM BY JOHN L. SUNDSTROM
8990 RE 8 DIGIT INTERGER FORMATING PROGRAM TO
RIGHT JUSTIFY AND ADD COLUMNS
8995 REM Z IS WORKING VARIABLE AND Z$ IS THE
STRING TO PRINT
9000 IF Z > 99999999 THEN PRINT"INTERGER OVER
RANGE ERROR":Z$="?":RETURN
9010 Z1=Z:ZK=0
9020 FOR ZJ=1 TO 9:IF Z1 >= 1 THEN ZK=ZJ
9030 Z1=Z1/10:NEXT
9040 Z$=STR$(Z)
9050 Z$=LEFT$(Z$,ZK+1):Z$=RIGHT$(Z$,ZK)
9060 FOR ZJ=1 TO 10:Z$(ZJ)=" ":NEXT
9070 IF ZK=0 THEN Z$(1)="-":GOTO 9120
9080 FOR ZJ=1 TO ZK:Z$(ZJ)=RIGHT$(Z$,ZJ)
9090 Z$(ZJ)=LEFT$(Z$(ZJ),1):NEXT
9100 IF ZK > 3 THEN Z$(9)=","
9110 IF ZK > 6 THEN Z$(10)=","
9120
Z$=Z$(8)+Z$(7)+Z$(10)+Z$(6)+Z$(5)+Z$(4)+Z$(9)
+Z$(3)+Z$(2)+Z$(1)
9130 RETURN
```

```
8990 REM PROGRAM DOLLAR FORMAT BY JOHN L.
SUNDSTROM
8995 REM AMOUNTS UP TO $99,999.99
8999 REM Z IS INPUT-Z$ IS STRING TO PRINT
9000 IF ABS(Z) > 99999.99 THEN PRINT"AMOUNT
IS OVER RANGE":Z$="?":RETURN
9010 Z=ABS((Z+.001211546)*100)
9020 Z1=INT(Z)
9030 IF Z-Z1 > .4 THEN Z=Z+1
9040 Z=Z/100:Z$=STR$(Z):Z1=Z:ZK=0
9050 FOR ZJ=1 TO 6
9060 IF Z1 >= 1 THEN ZK=ZJ
9070 Z1=Z1/10:NEXT
9080 Z$=LEFT$(Z$,ZK+4)
9085 FOR ZJ=1 TO 8:Z$(ZJ)=" ":NEXT
9090 Z$(1)=RIGHT$(Z$,3)
9100 IF LEFT$(Z$(1),1) <> "."THEN Z$(1)=".00"
9105 IF ZK < 1 GOTO 9140
9110 FOR ZJ=2 TO ZK+1
9120 Z$(ZJ)=RIGHT$(Z$,ZJ+2)
9130 Z$(ZJ)=LEFT$(Z$(ZJ),1):NEXT
9140 IF ZK=3 THEN Z$(8)="$":GOTO 9170
9150 IF ZK > 3 THEN Z$(8)=","
9160 Z$(ZK+2)="$"
9170
Z$=Z$(7)+Z$(6)+Z$(5)+Z$(8)+Z$(4)+Z$(3)+Z$(2)+
Z$(1)
9180 RETURN
```

MEMBERSHIP TO THE GATEWAY COMPUTER CLUB IS ONLY $15.00 PER YEAR

P.O.BOX 1838 FAIRVIEW HGTS. IL. 62208

THE 1541 DISK DRIVE

VINCE LE PES

THIS SHORT COURSE IS FOR THOSE OF YOU WHO HAVE HAD YOUR DISK DRIVES FOR A SHORT PERIOD TIME. IT IS INTENDED TO GET YOU STARTED. THIS IS NOT BY ANY MEANS A COMPLETE GUIDE BUT, IS DIRECTED AT THE NEOPHYTE. LONG TIME USERS MAY LEARN SOMETHING TOO. "NAME" USED BELOW IS ANY NAME YOU GIVE YOUR PROGRAM OR WISH TO USE ON YOUR DISK.

THE FIRST THING TO DO IS PUT THE MANUAL YOU GOT WITH YOUR DISK DRIVE WHERE YOU CAN'T FIND IT. IT IS FULL OF MISTAKES! CONTRARY TO WHAT THE MANUAL SAYS, YOU CAN REMOVE THE DISK WHEN THE GREEN LIGHT IS ON, AND WHEN THE RED LIGHT IS FLASHING. YOU CAN REMOVE THE DISK ANYTIME THE MOTOR IS NOT RUNNING. THE DISK COMMANDS USING THE PRINT# NEED THE OPEN 15,8,15 COMMAND FIRST. THE BOOK NEGLECTED TO MENTION THIS. END BY CLOSE 15.

THE SYNTAX (BASIC'S GRAMMER) BELOW IS EXACT AND CORRECT. FOLLOW IT. (CR) = RETURN

LOAD"$",8 (CR) loads the disk directory into memory. you must then use LIST to view it on the screen

LOAD"NAME",8 (CR) Loads the program by that name into memory

LOAD"*",8 (CR) loads the first program on the disk into memory. Use LIST to view it on the screen

LOAD"ST*",8 (CR) * is used as a short cut when you do not know or want to use the entire name.. It means "anything that follows". The example will load any program that starts with ST.

LOAD"T?T",8 (CR) ? is a wild card. Any letter that falls in that place will be accepted. The example would load TOM, TIM,TNT,TAT,TOT,ETC.

SAVE"NAME",8 (CR) Saves your program by that name onto the disk. It must be 16 characters or less.

LOAD"NAME",8,1 (CR) The ,1 is a secondary address and, in this case is used to load a mach. lang. program into memory. It will load it into memory in exactly the same place it was saved from.

LOAD"$=",8 Will only load the header (the disk name and I.D.) and blocks free

THE OTHER COMMANDS ARE DIFFICULT FROM BASIC, ESPECIALLY FOR THE BEGINNER. THEY ARE MUCH EASIER AND FASTER TO USE WITH THE C-64 WEDGE. THIS A MACHINE LANGUAGE PROGRAM THAT HIDES AWAY FROM BASIC. THE WEDGE IS ALSO THE TOPIC FOR NEXT MONTH'S COLUMN. I WILL COVER SCRATCH, RENAME, NEW, INITILIZE AND THE ERROR CHANNEL. AND, I WILL EXPLAIN HOW TO FORMAT OR NEW A DISK. HAVE FUN!

PROGRAM ONE

```
10 POKE 53281,1:POKE 53280,12:PRINT"■":O
PEN 1,4
20 REM LOTTO NUMBERS SELECTER 10/30/83
30 REM MAY BE COPIED FOR PRIVATE USE
40 REM MAY NOT BE USED FOR ANY COMMERCIA
LPURPOSES
50 PRINT "■■■■                RANDOM"
60 PRINT "■■              LOTTO TICKET"
70 PRINT "■■               GENERATOR"
80 PRINT "■■              WRITTEN BY"
90 PRINT"■■              VINCE LE PES"
100 PRINT"■■             COPYRIGHT 1983"
110 PRINT"■■■■      ■PRESS ANY KEY TO C
ONTINUE"
120 GET A$:IF A$="" THEN 120
130 P=0:PRINT"■"
135 IF B$="Y" THEN PRINT "HOW MANY DO YO
U WISH THIS TIME ?":GOTO 150
140 PRINT "HOW MANY TICKETS SHALL WE DO
TODAY ?"
150 PRINT "PLEASE, NO MORE THAN EIGHT TI
CKETS !"
160 GET A$:IF A$="" THEN 160
170 PRINT "■
        ";A$
180 IF A$ > "8"OR A$ < "1" THEN 130
190 K=ASC(A$)-48
195 PRINT"      ■DO A HARD COPY ALSO ?
(Y/N)"
196 GET A$:IF A$="" THEN 196
197 IF A$="Y" THEN P=1:GOTO 200
198 IF A$()"N" THEN 197
200 PRINT "■
        "
220 FOR Z=1 TO K
230 FOR Y=1 TO 2
240 A=0:B=0:C=0:D=0:E=0:F=0
250 FOR X=1 TO 6
260 A=INT(RND(1)*40)+1
270 IF A=B OR A=C OR A=D OR A=E OR A=F T
HEN 260
280 PRINT A;" ";
290 ON X GOSUB 390,400,410,420,430,440
300 NEXT
310 PRINT "■"CHR$(13)
315 IF P THEN PRINT# 1,B;" ";C;" ";D;" "
;E;" ";F;" ";A;CHR$(13)
320 NEXT:PRINT:NEXT
340 PRINT "DO YOU WANT ANOTHER SET ? ■Y/
N"
350 GET B$: IF B$="" THEN 350
360 IF B$="Y" THEN 130
370 IF B$ () "N" THEN 350
380 CLOSE 1:END
390 B=A:RETURN
400 C=A:RETURN
410 D=A:RETURN
420 E=A:RETURN
430 F=A:RETURN
```

PROGRAM TWO

```
0 REM BASIC HI-RES
2 REM COPYRIGHT 1983 ABC PUBLICATIONS
4 REM MODIFICATION OF ARTICLE IN 8/83
6 REM COMMODORE GAZETTE BY PAUL SCHATZ
8 REM MACHINE LANGUAGE REPLACEMENT OF
10 REM LINE 30 FOR SPEED
12 REM MODIFICATION BY JOEL M. RUBIN
20 REM COPY BASIC FROM ROM TO RAM
30 Q=828:R=851:S=0:GOSUB1000:SYS828
32 DATA160,0,132,97,169,160,133,98,177,9
7,145,97,200,208,249,230,98
34 DATA165,98,201,192,208,241,96
40 REM CHANGE LET TO HUE
50 Q=41150:R=41152:S=40988:GOSUB1000
60 DATA72,85,197,75,196
80 REM CHANGE WAIT TO PLOT
90 Q=41189:R=41192:S=41008:GOSUB1000
110 DATA88,76,79,212,130,196
120 REM CHANGE CONT TO WIPE
130 Q=41225:R=41228:S=41024:GOSUB1000
150 DATA87,73,80,197,53,196
160 REM CHANGE VERIFY TO SCREEN
170 Q=41201:R=41206:S=41014:GOSUB1000
190 DATA83,67,82,69,69,206,11,196
210 Q=42042:R=42044:S=0:GOSUB1000
220 DATA76,0,196
240 Q=50176:R=50480:S=0:GOSUB1000
250 IFA()42691THENPRINT"ERROR IN DATA ST
ATEMENT":STOP
260 POKE1,PEEK(1)AND254:REM SWITCH TO BA
SIC IN RAM
270 END
300 DATA32,24,196,138,10,170,76,61,164,8
0,70,83,32,158,183,224,1
310 DATA144,5,240,19,76,72,178,169,27,14
1,17,208,169,21,141,24,208
320 DATA169,151,141,0,221,96,169,59,141,
17,208,169,8,141,24,208,169
330 DATA148,208,238,162,32,169,224,133,2
52,160,0,132,251,152,145,251,200
340 DATA208,251,230,252,202,208,246,96,3
2,123,196,138,10,10,10,10,133
350 DATA2,32,253,174,32,123,196,138,5,2,
160,192,132,252,160,0,132
360 DATA251,162,2,145,251,200,208,251,23
0,252,202,16,246,145,251,200,192
370 DATA232,144,249,96,32,158,183,224,16
,176,17,96,32,235,183,134,2
380 DATA169,199,56,229,2,133,2,201,200,1
44,3,76,72,178,165,21,240
390 DATA10,201,1,208,245,165,20,201,64,1
76,239,169,0,133,251,169,224
400 DATA133,252,165,20,41,248,24,101,251
,133,251,165,21,101,252,133,252
410 DATA165,2,41,7,24,101,251,133,251,14
4,2,230,252,165,2,74,74
420 DATA74,10,170,189,247,196,24,101,251
,133,251,189,248,196,101,252,133
```

```
430 DATA252,165,20,41,7,170,160,0,120,16
9,52,133,1,177,251,29,41
440 DATA197,145,251,169,54,133,1,88,96,0
,0,64,1,128,2,192,3
450 DATA0,5,64,6,128,7,192,8,0,10,64,11,
128,12,192,13,0
460 DATA15,64,16,128,17,192,18,0,20,64,2
1,128,22,192,23,0,25
470 DATA64,26,128,27,192,28,0,30,128,64,
32,16,8,4,2,1
1000 FORI=0TOR:READN:POKEI,N:A=A+N:NEXT
1010 IFS<>0THENREADL,H:POKES,L:POKES+1,H
:A=A+H+L
1020 RETURN
```

PROGRAM THREE

```
 3 PRINT"■"
 5 DIMR(40)
 10 FORX=1TO8:FORY=1TO6
 20 R=RND(1)*41
 30 IFR(R)>0ORINT(R)=0THENGOTO20
 40 PRINTTAB(3)INT(R);:R(R)=R
 50 NEXTY
 60 FORI=1TO40:R(I)=0:NEXTI:PRINT:PRINT
 70 NEXTX
```

PROGRAM FOUR

```
 10 REM MOVE CHARACTER SET
 20 POKE56333,127:REM INTERRUPTS OFF
 30 POKE1,51:REM SWITCH I/O OUT
 40 FORI=0TO4096:REM COPY CHARACTER SET
 50 POKEI+40960,PEEK(I+53248)
 60 NEXT
 70 POKE1,55:REM RESTORE I/O
 80 POKE56333,129:REM RESTORE INTERRUPTS
 110 REM EMULATE PET VIDEO
 120 POKE56576,5:REM SELECT VIDEO BANK
 130 POKE53272,40:REM CHARACTER LOCATION
 140 POKE648,136:REM SET SCREEN EDITOR
 150 POKE1024,0:POKE44,4:POKE56,136:NEW:R
EM ADJUST BASIC'S PROGRAM AREA
 160 END
```

PROGRAMS FOR FUN

The following programs are for your pleasure and enjoyment. You can study them to advance your computer knowledge. .....V.L.

PROGRAM ONE

This program was written for my personal use. It can used by anyone new to basic to learn technics for using the RND FUNCTION. Also I used ON GOSUB in place of the traditional FOR-NEXT LOOP. I purposely kept it simple so the newcomer could easily understand what is happening. You should make note of the way the GET funtion is used to crash proof the program without locking you out. .....V.L.

PROGRAM TWO

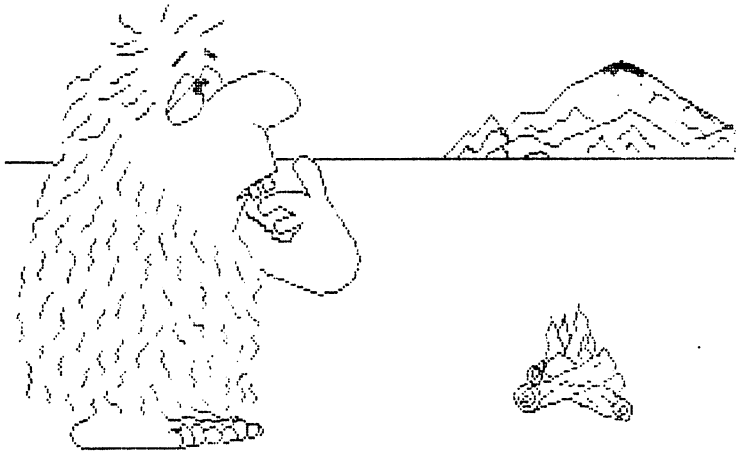
This program was downloaded from compuserve. It the same HI-RES program that appeared in COMPUTE'S GAZETTE last summer. It has an additional machine language routine that will run much faster. .....V.L.

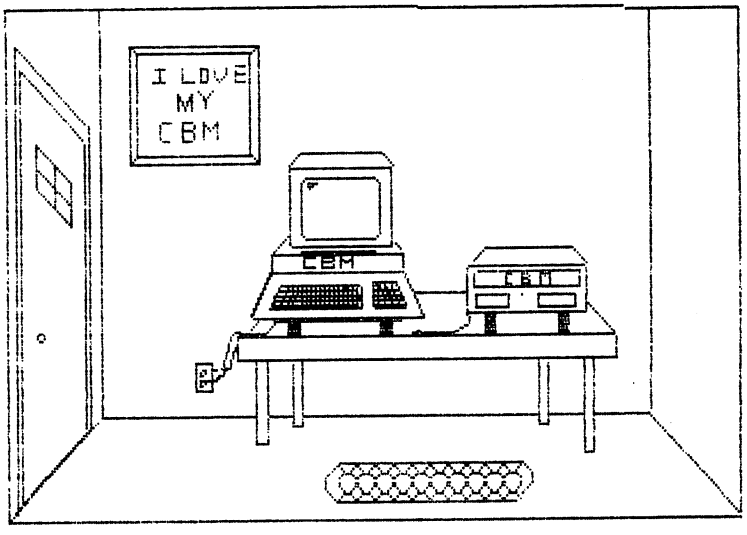
PROGRAM THREE

This one was written by RICH COLLINS. It is also a RND GENERATOR similar to program one. It does not have all the supprot routines as in program one, but does the same thing. He used an array to check for duplicates. This method is more effeceint, but harder to for the new programer to understand. See if you can figure out which lines to replace in program one with the array from program three. .....V.L.

PROGRAM FOUR

This program will move the character set into ram. Once there you may alter it at will. Have fun! .....V.L.





LIVING WITH MY MAGIC DESK

BY W.C.Maier

The day I bought it I couldn't make up my mind. I had EASYSCRIPT in one hand heading towards the checkout, and I spotted three of the MAGIC DESK packages.

I looked it over cautiously since it was more expensive than EASYSCRIPT. I had read about it previously and decided that it would serve my purpose. So, down went EASYSCRIPT and to the checkout with MAGIC DESK.

When I got home, I anxiously applied it to my Commodore, and WALLA WALLA, it seamed like a new adventure game. First, you see an office in the screen with a desk, file cabinet, typewriter, telephone, memo card file, clock, wastbasket, and ledger. First, you can move the hand to point at the clock on the file cabinet then you press the fire button on the joystick and a square surrounds the clock, now you type in the time, press the fire button again and the clock is set.

Now you move the hand to the typewriter, press the fire button and the picture changes to a tyewriter. The screen view is of the platten and paper of a typerwriter, now type away just as if you were on a real typewriter. Your have weak sound effects if you turn the volume up on your T.V. set.

It has a very nice feature, you can edit just like programing by typing over mistakes. If you want to double spacee hit return twice. But, if you forget and discover you didn't double space, then hit return again and type it over. Then go up to the line and delete. Like I said it is like a typerwriter not a word processor.

Now I decided to try the printer. Like a new toy I played the game, and manuvered the hand to the printer in the picture and pressed the button. Instantly the printer went into action in the manscript. WOOPS! I forgot to set the paper in the machine. I waited and set the paper and pressed the button again, and away it ticked. Now what do I do next! You manouver it to the desk press the button. Your big screen office appears, and up near the top a paper is in the air as a reminder. Move the hand to the file drawer and press the fire button. The screen changes to a view of an open file drawer with file folders. Move the hand to the folder, press the button and it opens to ten folders. Select one, type a name and press and move the hand to the paper. Press button and select one of ten possible sheets of paper. Then move the hand to a picture of a small

CONTINUED ON NEXT PAGE

Review

*Know Your Own Personality
*Cassete Program for Vic-20 with 8K or 16K expansion
*Commodore Computer &Iven Berg
*K-Mart price, 19.95
*Based on tests compiled by Professor Hans Eysenck & Dr. Glen Wilson

While the documentation covering this program specifies that it should be used for entertainment, the authors are most certainly renound in the field of psychological testing and I found that the results of the tests can influence your relationships with other people by helping develop a better understanding of yourself. To complete the entire testing program will take about two hours and you may want to be alone when you take it because your answers to many of the questions are your personal feelings which you may not wish to share with others.

The program comes on two tapes and the documentation is good. You enter the tape containing the operating softward and follow it with the tape containing the data.The test is in three sections and each section contains 150 questions. Each section of the test leads to a bar chart which indicates how you fit in with the results of 10,000 others who were used to create averages. In other words, how you relate to the average.

The 1st test deals with extroversion and introversion and the bar charts reflect activity, sociability, impulsiveness, expressiveness and reflectiveness. Test 2 covers emotional stability/adjustment and the bars measure self esteem, happiness, anxiety, obsessiveness and autonomy. The 3rd section covers tough mindedness and the bar graphs reflect aggression, assertiveness, achievement orientation and sensation seeking.

As you study your bar charts, you may wish to take some notes and compare the results of all three tests. I received some insight into my own personality which can help me to better relate to other people by an enhanced view of myself.

When running the program things go smoother if you leave the play key on the data cassette depressed. The computer loads 50 questions at a time. It loads 50, you answer

CONTINUED ON NEXT PAGE

50 then it loads another 50 until the 150 questions are answered and the bar chart comes up on the screen. You then go onto the next section. It is different and reflects what can be accomplished with limited memory. I recommend the program to anyone wanting more personal insight.

Bill Morisseau

DONATION

Once again, Ken has come to our aid by donating a COMPU-COVER computer protector to the G.C.C. for a raffle. The club became $33.00 richer as a result of his generosity. Once again, many thanks. .....V.L.

ONCE WAS A FIGHTER WITH FIGHT

Once was a fighter with crowds in flight

To see the fighter that's sixteen and 0.

He looked up after each win to see

Crowds sneaking and peeking to see

That sixteen and 0. Then

That sixteen and 0 whent to sixteen and one,

A defeat abeat, a crushing blow.

When his eyes opened expecting his

Crowds, that only to see his trainer the coach and asked:

WHERE IS EVERYBODY? The trainer the coach said;

EVERYBODY is here: So, to see you know it's important to know who your EVERYBODY is,

Before your sixteen and 0 goes to sixteen and ALONE.

BY ED COX

An old story rendered to poem to remind everyone to be Thankful for THEIR EVERYBODY.

FAREWELL

It is with sadness and great joy, that I would like to inform everyone that Dick Stibor, our beloved treasurer, is leaving us. Dick has been a dedicated contributor and has done an unusually great job as treasurer. His departure will be deeply felt.

But, on the bright side, Dick is moving to Omaha, Neb. to begin a new career. After twenty three years in the Air Force, he felt it was time for a new course of action. On Jan. 9 he begins a new job that he feels will be most rewarding. Dick is an electrical engineer, specializing in communications, and the company he joining is in the same field. They develope satalite communications and government contracts.

Omaha is near where he came from, and close to his family.

Dick, we wish you all the best and good luck in your new endeavor. You will be missed. -VL

MAGIC DESK CONTINUED

disk, press the button and it gets filed away.

Remember to identify each page, because if you don't you could file page 1 on top of page 2 and then you will only have page 2. I know, I did it.

Now press the button and move over to the desk. It is filed and you are ready to do something else. Now go to the typewriter and type something you don't want to save.

Now, press the button, and move the hand to the waste basket. Press the button and your paper will appear above the basket. This is your final warning! Press again and FLUMPSK, down the basket and gone forever. The beautiful thing about this is all ages can use it with success.

To sumarize this little story, this is the first version of MAGIC DESK with more to be marketed in the future. The telephone file, calculator, and the ledger should be coming soon.

The file system has the capacity of ten for each drawer; thirty total. You have the total of ten pages for each file, so it should be quite usefull.

You can use one disk for school work. It also provides entertainment.

THE LAST WORD

Some of us remember when we purchased our first computer. I recall very well the combination of excitement and anguish of unpacking that Vic-20, getting it all hooked up to a TV and seeing the screen come alive with "***CBM Basic V2***3583 Bytes Free READY". O' Boy! Success...But READY for what! This is where the anguish began. Programs! Cassette Units were scarce and it was two weeks before I could find one to buy. You can't do very much without one. I bought all of the computer magazines I could find and some books on Basic. I stayed frustrated for weeks. The only constructive thing accomplished was solving "The Count".

One day I was in Kappel's Computer store and confessed my frustrations. The clerk was Lynn D. and she gave me the name of Dale Wentz. I called Dale and attended the next meeting which was held in his home. That is when I began to come in out of the dark.

Probably, most of our experiences are similar and we realize that we need a club to gain the experiences of others. The first meeting I attended was confusing. I didn't know the language being spoken so I listened. Eventually, I got someone aside and began to learn the computer language.

At that first meeting I found out that Compute was the magazine on which to concentrate. I learned that many programs advertised in magazines were not worth the price. I learned which programs were good and which to avoid.

The advice which I would give to a newcomer is to listen to what is going on even if you don't understand it. To concentrate your reading to Compute and Compute Gazette and Commander magazines all of which lean to or are exclusively directed to Commodore users. The third thing I recommend is to find a friend or two who can "big brother" you and assist in making hardware and software decisions.

Since I brought home my VIC about a year ago there have been many changes. Prices have dropped. The "64" has taken over the market and disk drives have all but replaced the Data Cassette. Other changes and improvements are coming. High tech hasn't stood still since the wheel was invented so better hardware and software will always be coming.

Computing is a hobby with me as it is with many of us. I could write this column with pencil and paper, a typewriter or a word processor. I am using a word processer because that is the fun way to do it. I play games because they are fun. I fire up the modem and tour bulletin boards because that is fun. I try to be as active in the GCC because that leads to more fun. I use my computer to handle my income tax because that saves me countless hours and turns my anguish into joy.

Bill Morisseau.

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A TIP OF THE HAT

ONCE AGAIN WE GIVE A GREATFUL THANKS TO THE GROUND ROUND FOR ALLOWING US TO USE THEIR BANQUET ROOM FOR OUR MEETINGS. IF YOU ARE NOT AWARE OF IT, THE GROUND ROUND PROVIDES THE GCC WITH THIS ROOM FREE OF CHARGE, AND THEY EVEN CLEAN UP BEHIND US. IT IS THIS KIND OF SUPPORT THAT HAS ALLOWED US TO GROW SO QUICKLY; TO THE POINT OF OUTGROWING THIS SPACE. WE ARE CURENTLY IN SEARCH OF A LARGER MEETING ROOM. IF YOU KNOW OF ANYTHING, LET US KNOW.....V.L.

RAY LAUMAN
GENERAL MANAGER

10716 LINCOLN TRAIL, FAIRVIEW HTS., IL 62208
618/398-2777

```
      DEC 83        10    64

7     "budget 1"          prg
28    "calendar"          prg
25    "checkbook 1"       prg
19    "budget 2"          prg
13    "invoice"           prg
9     "geiger counter"    prg
28    "reg'd supply"      prg
14    "temp. conv."       prg
28    "finance 1"         prg
6     "metric"            prg
7     "mortgage"          prg
12    "portfolio/d"       prg
2     "fill in mailable"  prg
3     "duvall mailables"  prg
19    "ps mailist"        prg
28    "finance 2"         prg
28    "finance 3"         prg
25    "home budget"       prg
9     "checkbook 2"       prg
24    "home electricity"  prg
5     "mailing list"      prg
25    "finance 4"         prg
6     "checkbook 3"       prg
11    "stat sort"         prg
12    "coupon control"    prg
12    "periodic table"    prg
9     "conversion 3"      prg
14    "checkbook 4"       prg
13    "amortization"      prg
5     "compound int"      prg
218   blocks free.

      NOV 83        04    64

2     "(dotm nov 83)"     prg
17    "caves of ice"      prg
28    "mystery spell 64"  prg
11    "dots for 64"       prg
18    "diamond drop"      prg
21    "oil tycoon "       prg
28    "minefield 64"      prg
37    "cylon zap+"        prg
17    "jumping jack"      prg
9     "re-beep"           prg
1     "rats setup"        prg
26    "rats"              prg
9     "one on one"        prg
8     "goblin"            prg
16    "snake escape"      prg
9     "[illegible]"       prg
13    "demon star"        prg
6     "f key loader"      prg
4     "auto proofreader"  prg
24    "musicmaster"       prg
3     "64 formatter"      prg
17    "copy disk 1541"    prg
28    "tiny plan"         prg
28    "calcalc"           prg
2     "disk defaulter"    prg
2     "datamaker"         prg
35    "disk do all"       prg
21    "copy s"            prg
12    "c64 disk to tape"  prg
44    "copy disk files"   prg
13    "unscratch"         prg
9     "disk copy.64"      prg
3     "64 ram test"       prg
166   blocks free.

      END OF 64 LISTING

  DISK OF THE MONTH VIC-20

      AUG 83        01    20

3     "00 read first "    prg
10    "disk files1.0 in"  prg
13    "disk files1.0"     prg
11    "per accountant"    prg
10    "phone list 1"      prg
5     "amortize"          prg
11    "jumbles"           prg
7     "long division"     prg
3     "binary"            prg
10    "race (joy)"        prg
10    "ping pong"         prg
11    "bandit 1"          prg
8     "schuifspel"        prg
9     "memory"            prg
5     "barricade"         prg
8     "arrow"             prg
9     "arrow 2"           prg
13    "vic mail"          prg
7     "rijtest"           prg
2     "unnew"             prg
3     "big letter displ"  prg
16    "disk/tape"         prg
11    "tape/disk"         prg
4     "fast find"         prg
6     "define f keys"     prg
5     "control-keyb"      prg
7     "tiny aid"          prg
6     "vic keysort"       prg
3     "vic sort.demo1"    prg
6     "vic sort.demo2"    prg
10    "snoopy"            prg
8     "lt pen scribe"     prg
13    "lt pen artist"     prg
17    "pilot 2.2"         prg
7     "3d func. plotter"  prg
20    "tiny plan"         prg
60    "tiny plan+"        prg
36    "vicheck-t"         prg
35    "vicheck-d"         prg
26    "eliza"             prg
32    "harvester"         prg
39    "diaspar"           prg
7     "asteroids"         prg
13    "gold rush 1"       prg
11    "rhino"             prg
11    "pinball"           prg
12    "three of a kind"   prg
5     "craps"             prg
13    "roulette"          prg
9     "steal money"       prg
4     "dos wedge"         prg
10    "tank-vs-ufo"       prg
10    "zap"               prg
8     "bouncy"            prg
12    "out post"          prg
4     blocks free.

      SEP 83        02    20

4     "wedge"             prg
6     "rocket command"    prg
6     "planet x"          prg
9     "man-eating-rabit"  prg
10    "wumpus 1"          prg
12    "warfish"           prg
5     "craps"             prg
10    "tank-vs-ufo"       prg
5     "spies"             prg
12    "out post"          prg
7     "reverse"           prg
9     "not one"           prg
11    "big six"           prg
8     "bouncy"            prg
10    "zap"               prg
3     "killer comet"      prg
13    "gold rush 1"       prg
11    "checkers"          prg
10    "copter ii"         prg
32    "harvester"         prg
26    "eliza"             prg
9     "dragon slayer"     prg
39    "diaspar"           prg
19    "dungeon!"          prg
4     "dungeon writer"    prg
4     "dungeon duper"     prg
6     "perilous pit"      seq
10    "ogre hunt"         seq
11    "othello"           prg
12    "mastermind"        prg
7     "reaction test"     prg
6     "lost cave"         seq
13    "roulette"          prg
11    "rhino"             prg
12    "metior maze"       prg
4     "wipe-out"          prg
4     "race car"          prg
10    "simon"             prg
14    "miniature golf"    prg
10    "breakout"          prg
9     "steal money"       prg
13    "pong"              prg
9     "reverse2"          prg
12    "three of a kind"   prg
9     "chuck-a-luck"      prg
9     "letter squares"    prg
3     "squiggle"          prg
13    "puckman"           prg
13    "mastermind2"       prg
13    "crazy balloon"     prg
6     "alien waster"      prg
7     "asteroids"         prg
12    "dam busters"       prg
10    "depth charge"      prg
10    "race"              prg
8     "arrow"             prg
11    "pinball"           prg
9     "star chaser"       prg
9     "samu"              prg
12    "trap"              prg
12    "bush trail"        prg
6     "dir"               prg
3     "directory"         seq
7     "hidden maze"       prg
15    blocks free.

      OCT 83        03    20

17    "pilot 2.2"         prg
8     "lt pen scribe"     prg
13    "lt pen artist"     prg
13    "general demo"      prg
7     "vic clock"         prg
11    "vic-demo"          prg
5     "life"              prg
10    "disk files1.0 in"  prg
13    "disk files1.0"     prg
2     "mail labels"       prg
23    "disk file"         prg
3     "budget"            prg
11    "personal finance"  prg
13    "vic mail"          prg
5     "amortize"          prg
10    "phone list 1"      prg
11    "per accountant"    prg
6     "define f keys"     prg
5     "control-keyb"      prg
7     "tiny aid"          prg
6     "vic sort.demo2"    prg
3     "vic sort.demo1"    prg
6     "vic keysort"       prg
456   blocks free.

  END OF VIC 20 LISTING

"dom jan 84       " d4 2a
4     "intro"             prg
70    "1.64-ponzo tutor"  prg
67    "2.64-ponzo tutor"  prg
75    "3.64-ponzo tutor"  prg
64    "4.64-ponzo tutor"  prg
67    "5.64-ponzo tutor"  prg
61    "6.64-ponzo tutor"  prg
60    "7.64-ponzo tutor"  prg
9     "buttermon250000"   prg
10    "supermon.c"        prg
24    "supermon inst.c"   prg
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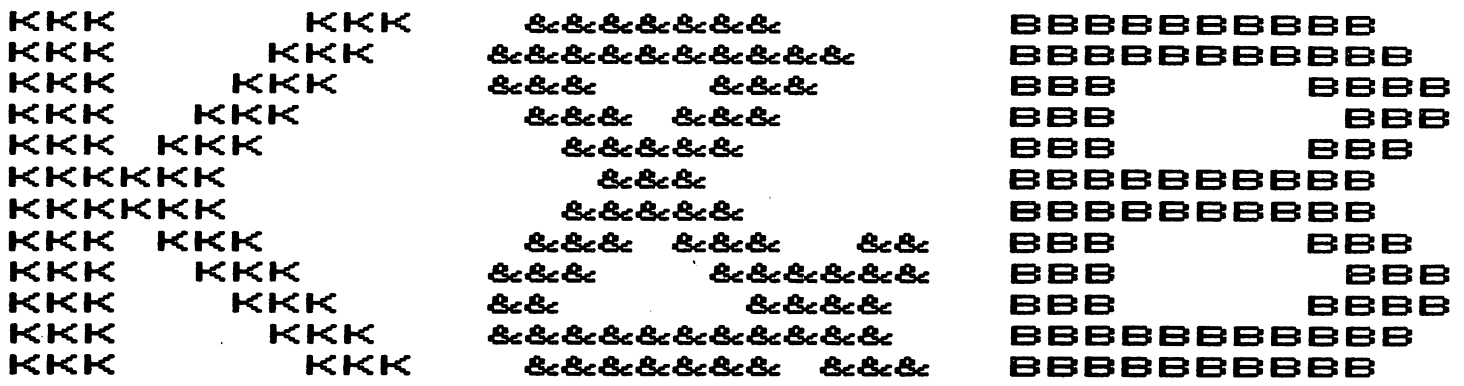

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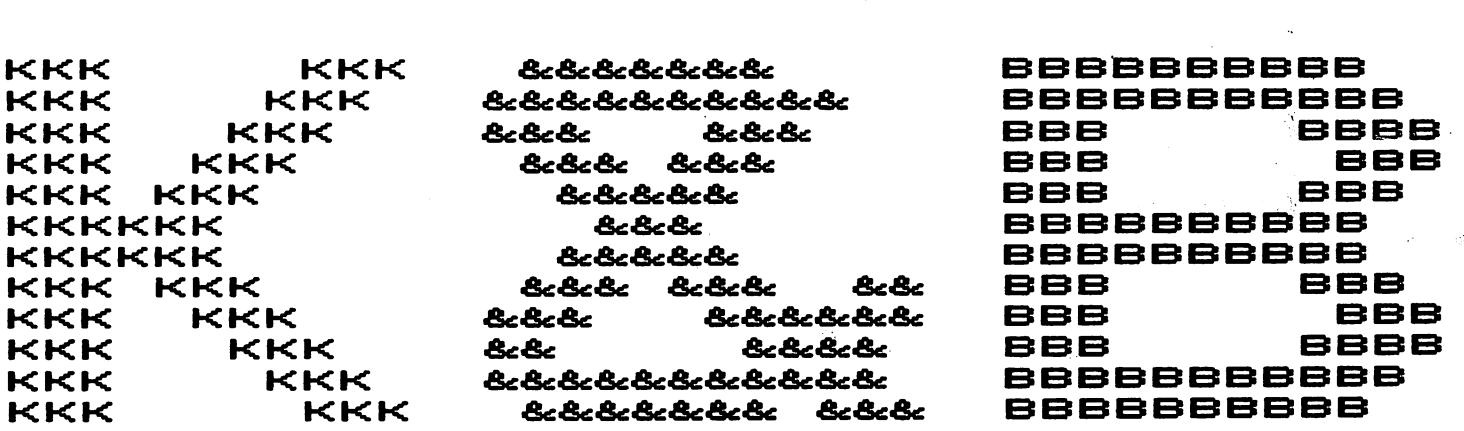

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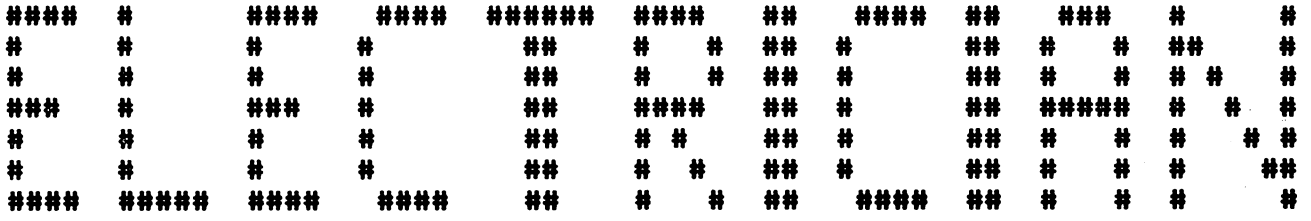

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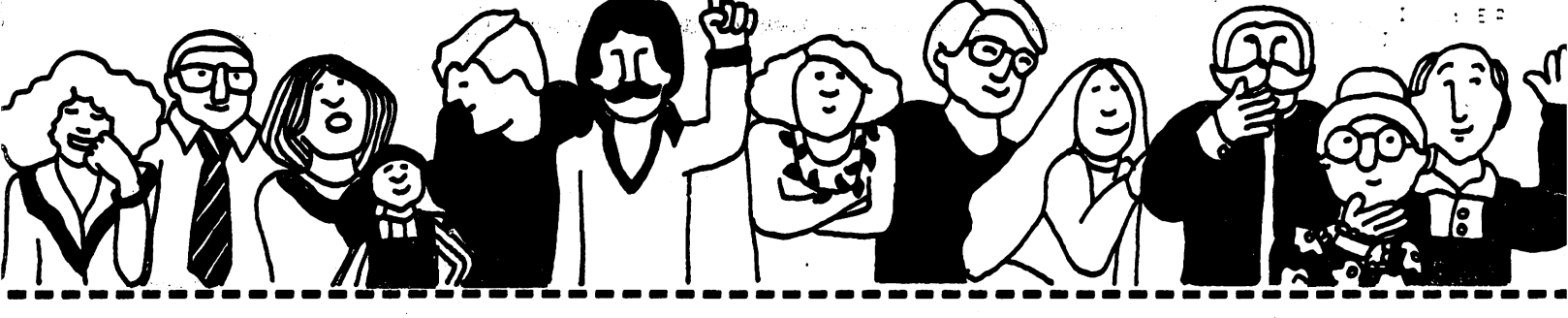
Some people feel that using the Biorhythm Theory can help people control their lives by anticipating ups and downs. Therefore, some say that by anticipating and understanding body cycles, better control may be made of lives. We are not validating any of these beliefs, only making you aware of them.



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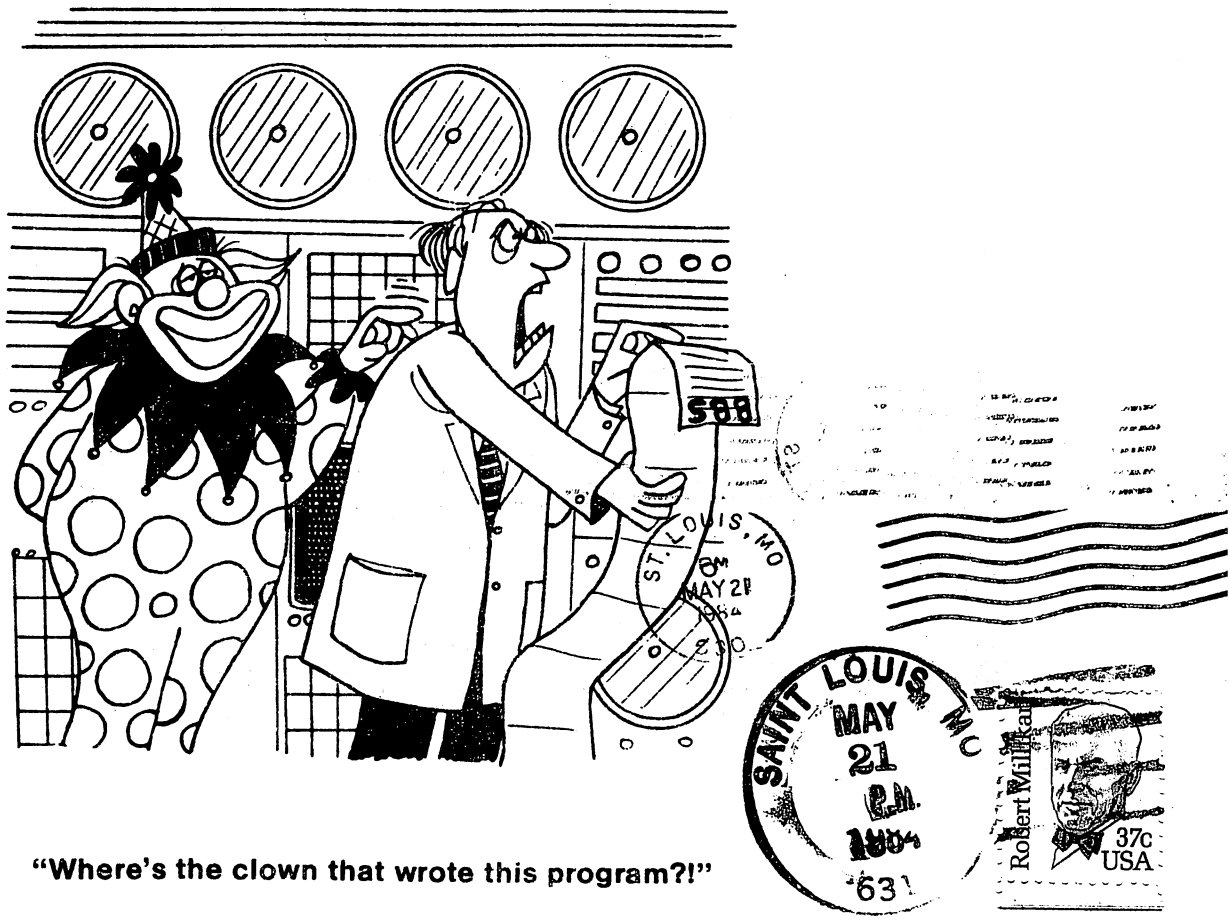
MAY 1984 VOLUME 1 NUMBER 3
GATEWAY COMPUTER CLUB

GAZETTE



"Where's the clown that wrote this program?!"

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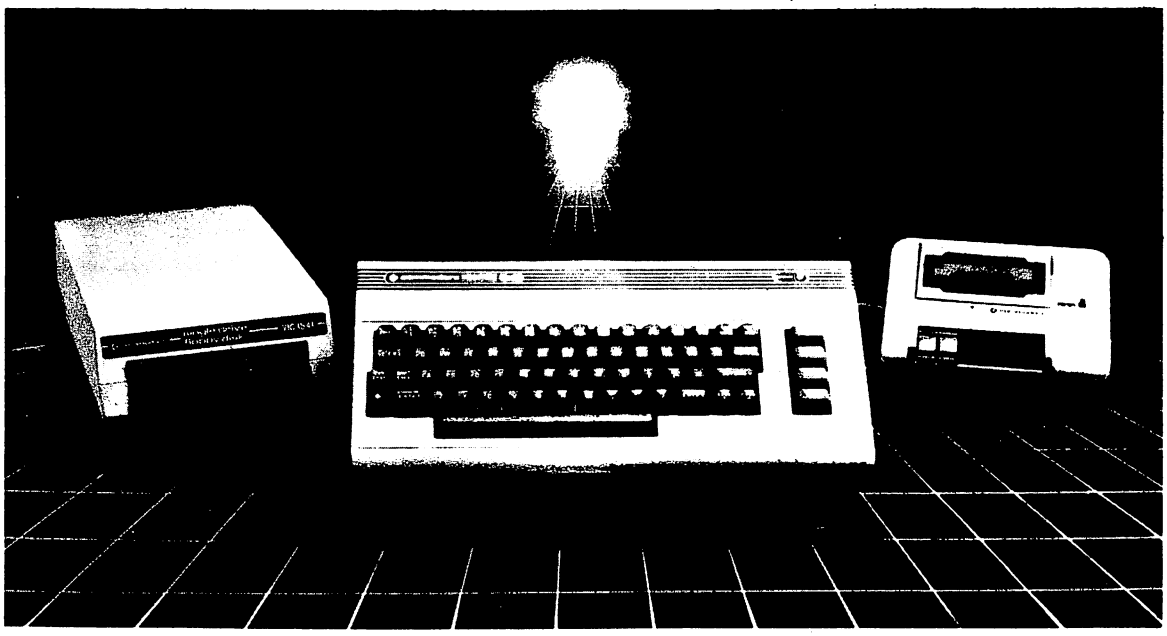

K+'S

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EDITORs VIEW

Here is the much sought after and coveted C.C.G. newsletter. After much discussion and a lot of just plain nonsense it was decided by the executive board that a club was just not a club without a newsletter. There remains one problem however. How do you get people away from their computers long enough to sit down and write an article? Well some how we managed to get enough for this issue.
The newsletter will be published monthly. I know that this has not necessarily been the case in the past, but if we only have 2 or 3 pages we will go to press each month. One of my first objectives is to get all the members used to getting a monthly paper.
My next objective will be to start columns that will become regulars in each issue. I already have on the drawing board a beginners column on basic that will begin next month. I would like to see someone start a machine language column. The opportunities are endless and as we add special interests groups, each of these will be responsible for an update on their activities.
This issue includes a little bit of everything, including a hello and farewell from our club librarian.
During the next couple of issues we will be putting questionaires in the newsletter. These questionaires will give the executive board and the membership a good idea just how you all think. With only about 30% of the membership coming to our meetings at any given date it is difficult to assess the feelings of the total membership. This months Questionaire is on bulletin boards.
There is only one way to make a newsletter successful; fill it with news, no article will be refused provided it is in good taste and is appropriate for the club. I would prefer that all articles be done in "Easy Script" with a margin setting of 38, (rm38) and a right justified text. If you can not get me an article in this way I will take hand or type written articles. All articles must get to me before the 10th of the month prior to the month of publishing. In other words if you want something for the August issue you need to get it to me by the 10th of July.
Once again this newsletter will not work without your support.

The G.C.C. GAZETTE

EDITOR: Joel Minto

THE GAZETTE is published monthly by the GATEWAY COMPUTER CLUB as a membership service. Please direct all submissions and advertising to 1451A Galaxy Scott AFB, IL, 62225. Camera ready advertising must be received by the tenth of each month to be included in the issue of the following month. Rates are as follows: full page-$30.00, half page-$15.00, Quarter page-$7.50.

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THE CLUB

Membership fee is $15.00 per year. Additional family members can join at $3.00 per individual. Members receive access to our programs, literature, BBS. and newsletter. Direct all membership applications and questions to Rich Fisher, P.O. BOX 1831, Fairview Heights, Ill. 62208.

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EDITOR : Joel Minto.....744-1242
M.A.L. : John Sundstrom.....397-7235
M.A.L. : Gary Vogel.....235-1837

NEW EDITOR

As of theis issue, we have a new NEWSLETTER EDITOR and a new format. In the past the newsletter was restricted to a ridgid format, which did not work. To publish, we needed a required amount of articles to the amount of advertising.

The new format will make it easy to publish a newsletter each month. we will publish whatever is available; No matter how little is submitted. You 'will' receive a newsletter 'every month'.

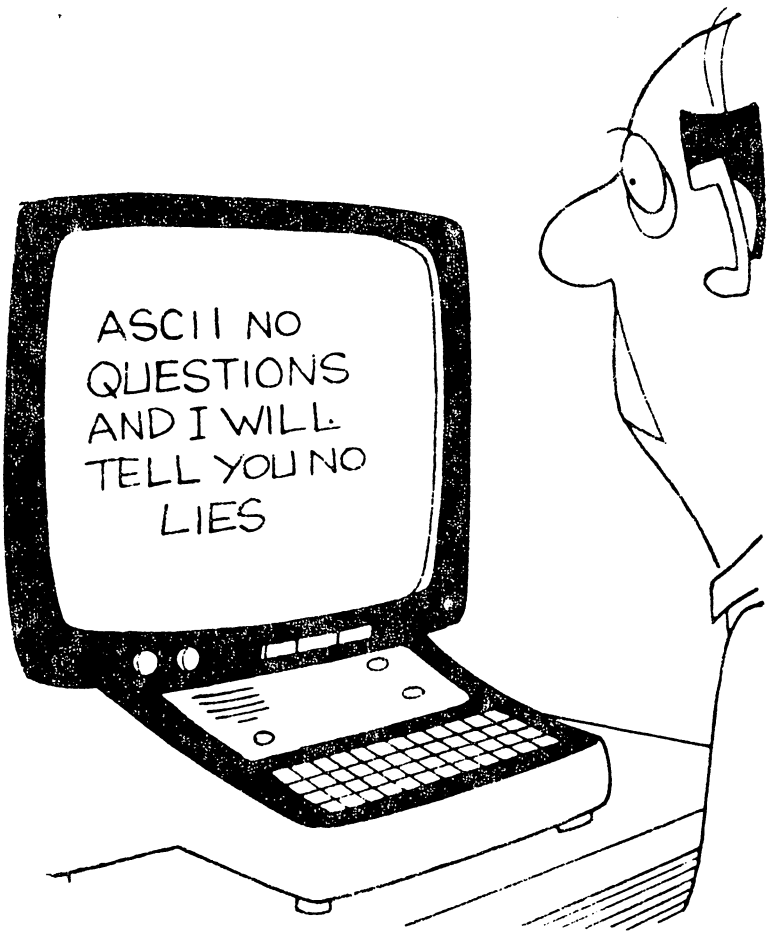
JOEL MINTO has volunteered to take on the task of getting the newsletter out. I can assure you he has no easy task. We have had little trouble getting ads to support the newsletter, but we have been sorely lacking for input from our membership. That is the reason for the changes.This issue contains all the articles submitted for the last 3-4 months. Judge for yourself. We have many talented people in our club. Where is the support. Have we become complacent with taking and not giving??

Joel is fully aware of what he is up against. He is very enthusiastic about the newsletter, but has no illusions about the job. He has made a commitment of time and equipment. **WILL YOU HELP ?** He needs your help. The quality of the newsletter depends on the efforts of all the membership.

Let's pull together, and help Joel make this the best club newsletter in the area. As I've said before, isn't that what we're all about.

Welcome aboard Joel!!

VINCE LE PES



QUICKIE REVIEWS

By V.L.

Flight Simulator II- Excellent, but very difficult. Not for the novice.

Blue Max- Fantastic graphics and an excellent game. This is one of your best buy category.

Lode Runner- Not new but one of the very best games around. (see kids review software).

Beach-head- Excellent graphics and a great game. another one of the best buy category.

Ranch- One of the best programs for the 4-10 age group I have seen. This is not only a best buy it is a must buy.

Alphabet Construction Set- The best educational program for the 4-6 age group for the C-64. The program requires a light pen. Incorporated in the program is SAM.

Edumate Light Pen- Poor mans Koala Pad but easier to use. Another best buy

EASY RESET SWITCH
by W.C. Maier

I once had a reset switch on my computer, which was connected to Pin 1 and 3 of the user port. It was spot taped to the printed circuit connection and was difficult to keep in place.
I didn't want to void any warranty so I decided to keep out of the case. I did a little research and found terminal #3 of the user port and #6 of the serial port are electrically the same. So I decided to make an adapter to accomplish this.
I wanted to buy a male 6 pin din plug, and a female 6 pin din receptical. My plan was to close couple the male plug and the female receptical, solder a miniature pushbutton piggy back style to #6 and the #2 connection, then encaptulate it in plastic or silicone rubber to make it neat, and could be plugged into the serial port then the disk drive could be plugged in.
Well I ran into a slight problem; I couldn't find a source for the 6 pin din plug or the 6 pin din receptical.
Faced with this problem I decided to modify my cord which connects my computer with my disk drive.
Very carefully I warmed the plastic connector shell with a hair dryer and slid it back up the cord to expose the back side where the connections are soldered. I found that this wasn't feasible because it was molded. I observed the colored wires and chose blue for #6,(blue is standard color code for #6 in the electronics industry). Not so with Commodore so BEWARE, blue went to #2 and violet went to #6.
Since it wasn't advisable to try to remove the plastic molding, I decided to splice into violet #6 solder and tape it when I experimented and tried the shield. It wasn't connected to #2 but to the shell and the shell is grounded in the computer. I chose a small flexible wire from a discarded radio hand microphone, and soldered the second wire to the rear of the shell. Once again I warmed the plastic shell cover and slid it back in place. It is important at this point that you test each wire for continuity and shorting. After this test I folded the wires back out of the way and wrapped two rounds of tape around the shell. You can make the wires short or leave them long enough to be conveniently located. I then soldered the pushbutton, wrapped it with tape and I was finished.
Once all is said and done I would have rather made one by my original idea. It would solve any problems you would have with warranties.

Temple of Apshai

If you like role playing games of adventure then I think you will like Temple of Apshai.In Temple of Apshai you are an adventurer in search of treasure.You can input a D+D character or have the innkeeper find one randomly.You bargain with the inkeeper for armor,weapons and salves to heal you.The game has four levels and hundreds of rooms.You can save a game in progress and come back to play it later.Temple of Apshai has good color graphics and sound effects.To make it more interesting there are other adventures which are sequels to Temple,such as Curse of Ra and Upper reaches of Apshai.

EPROMs

EPROM stands for Erasable Programmable Read Only Memory. As you might have quessed, an EPROM is similar to a PROM, except that if you make a mistake in programming it, it's possible to erase the mistake.

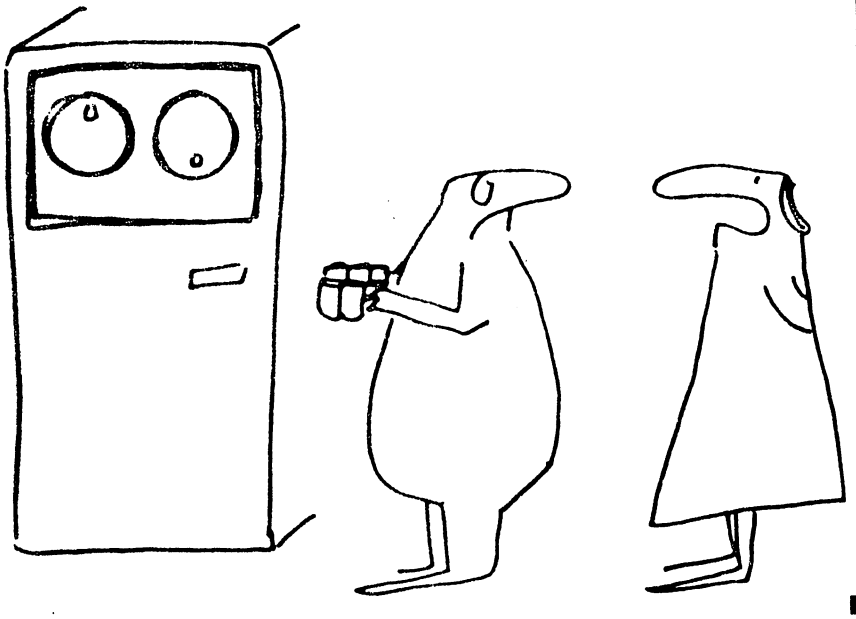
RAMS

RAMs are a read/write, non-permanent type memory. Instructions can be changed added to or erased.

ROMs

ROMs were given this name because they are Read Only Memories. They can be read from, but not erased or written to. Once instructions have been stored in them by the manufacturer, these instructions are permanent.

H O M E T O W N R E V I E W S



"You really should familiarize yourself with computer terminology. I said to get it a disk-pack, not a sixpack."

Kid's Software review by David Boeren(age 12)

Lode Runner

Lode runner is a fast paced game made by Broderbund Software($25).In Lode Runner you play the part of a galactic commando who must infiltrate 150 treasure rooms of the Bungeling Empire,evading deadly guards and recovering chests of gold stolen from the people.Lode runner has excellent color graphics and can be played with either joystick or keyboard(I prefer the joystick).The feature that I like the most is the ability to create your own levels of play and save them on disk.

PROMs

A PROM is like a blank ROM. When you get it you can put in any program you want. But once it is in it's permanent. PROM stands for Programmable Read Only Memory.

Kid's software review by David Boeren

ZORK II

Zork II is a completely prose adventure game and has a vocabulary of over 200 words that it can understand.You can use english commands with it such as light the lamp,drop the knife,look in the bag as examples.You can even have your character say something like,tell the gnome"pick up the box"or ask the computer a question such as where is the gold,what is a grue.You can record your progress by printing it on printer or save your position on a disk.The object in Zork is to collect the 20 treasures of Zork and return alive.There is also Zork I and Zork III.

Easy Script

Easy Script is one of the most popular word processors for the C64. A professional secretary would be hard put to come up with a situation that it couldn't handle.At $39 it's a real bargain.It has full screen editing, scrolling,mail merge,search and replace,and a 20,000 word speller(for an additional $20)e. Most of the functions use only one key stoke or a SHIFT/key or Shift/F.There are a lot of functions to remember if you want to generate a lot of fancy reports with tables,headers,footers, automatic page numbering,multiple tab sets,underlining, italics,rearranging of paragraphs, and merging of files.But you can study the the manual and compose a document within an hour.

FROM THE TOP

It has never been my intention to make this column a report of happenings or events. Just as an insight of how I see what is going on in the G.C.C. Not everone will agree whith my point of view, but they have the same opportunity to express how they feel. This month I have two topics to talk about.

The first is about copying copyrighted programs. Sure, I know, none of us would do a thing like that. But yes, Martha, it is done every club meeting, not to mention the club copy sessions. I am certain that most people feel little harm is done and 'none' of us can claim sainthood. From the 'smalltime' (one program can't hurt) to the 'collector' (who never sees more than the titles as he catalogs his new aquisition), we all contribute to the demise of good programing for ourmachines.

The senario I see will be similar to APPLE software. Very little software is currently being written for the APPLE market. It is being written for the C-64 and converted to the APPLE. What incentive does a programmer have when he sees his creation freely distributed within days after being released. You expect a paycheck for work done and so does he. His comes by a different name; PROFIT. Think about it. In the end, we only hurt outselves.

My second topic concerns the CLUB itself. It may upset some people, but needs to be brought into the open. This is your club and you should know what is happening. And, for you to let it be known how you, the membership, want it to be handled.

There has been a lot of fighting, bickering, politics, backstabing, and simple jealousy. We have allowed our egos to get in the way of common sense and the best interest of the club. We are not best served by this attitude and it still lingers.

I and SOFTWARE OR SYSTEMS have had a close relationship with the G.C.C. We have supported the club and tried to help make it grow more than anyone. Many times we have the newest and latest to show at meetings. I think most members want this close up look. We have given merchandise for raffles (to the benifit of the treas.), given discounts to club members, sold merchandise to the club at cost, used the store as a drop point, allowed the club to use our equipment, and took memberships at the store. There 'never' has been 'any strings' attached, and I am not looking for a pat on the back. We have had the simple philosophy that if we scratch your back, you will scratch our's.

Some view this as rape. They feel this is only an effort to use the club as a forum to advertise the store and sell merchandise. To a small degree this is true. But, it is done honestly, and openly, as stated above. They wish to impose two restrictions on club members.

1. Anyone related to the computer business should be allowed to give demos (think about it, who has it first?)

2. Anyone with business interests should not be allowed to be an officer of the club.(This means, because ED COX might sell a policy, or GARY VOGELa pair of glasses, they cannot be officers!). This would affect 7 of 9 officers.

LIBRARY NEWS

We have had some very exciting events in the library this month. During the last month we swapped libraries with the St Louis group. We now have over 30 disks of the TPUG library. As I have mentioned in the meeting, the Canadian club is a vital source of good software. For example, the Ponzo Tutorials which appeared on our Jan and Feb disks of the month. I have looked over these new disks and I see many interesting programs. The set includes two disks of business programs, eight games and a communications disk to memtion a few.

The meeting with the St Louis club also helped us complete the Commodore educational set version 2. As soon as I have time I will also have a complete copy of the version 3 set.

On a different subject, I have been asked to give you the rules for the club making copies of disks for members. The prices for copy service I am giving do not include the cost of the disk.

Time	Quantity	Cost
During meeting	Any	$1.00
During copy session	Any	$1.00
Outside meetings	1-9	$3.00
	10-up	$2.50

Some members do not realize that the club now sells quality disks at a very reasonable price. We buy bulk, Verbatim, double density disks in 100 unit lots. In my opinion, Verbatim is the best disk for the money you can buy. The bulk disks are first quality disks, not rejects. They appear to be Data Life which is about the top of the line. The run quietly in the drive and have a highly polished surface for low disk head ware. The disks come with Tyvec sleeves, without a box. The club offers these to members during the meetings and copy sessions for $2.00 each in any quantity. Next meeting come buy a couple and try them out. I think you will be pleased.

This is my first and last article. It has been fun and sometimes a lot of work being the librarian. I and my family are moving South. I will remain a member of the club and I hope to submitting a few articles for future club papers.

note from ED.

Most of us will be very sorry to see Dale go. The job of Librarian is a difficult and thankless job. Best of luck in your new assignment.

CLUB NEWS

1. The club has finally purchased a MSD dual disk drive. It arrived in time for the April copy session. It was an understatement that Dale Castello was very glad and relieved.

2. New newsletter format and Editor lokk it over and let us know what you think.

3. Gary Vogel was accepted by a vote of the membership as a Member At Large (M.A.L.) on the executive board. Welcome Gary! V.L.

4. The board has decided to run a series of surveys to find out what the membership wants. The first is in this issue. Do you want a BBS.

5. There is a new BBS in town! It is operated by software or systems and called S.O.S (naturally). It was written by Jim Wright and will become commercially available soon. The board will be up after store hours and to our knowledge is the only C-64 BBS in the area. The number is235-9710.

"Don't give me any middlemen .... Put me straight through to your computer!"

HEXPOKE
by Jim Wright

This program will be useful for any of you who have tried to type in machine language routines, either pout of some magazine or from one of your own programs. The problem is that if you want to use a machine language program from your basic program, you either have to load it in from your program, or your program must store the code.
Loading in the program is sometimes inconvenient, and poking it in is difficult, since you can't poke hex numbers. This program allows you to enter the machine language into data statements, and a routine will then poke in the code.
It works by reading in the machine language a byte at a time as a string variable. The program then converts the byte into decimal and pokes it in.
For those of you who are unfamiliar with machine language, it is the language the computer uses to run programs. Computers cannot directly understand basic, or other higher level languages. A special program called a BASIC interpreter or compiler is usually built into the machine so that each time you execute a BASIC command, the computer first converts the command into machine language and then executes it. This is why some programs are written entirely in machine language, since machine language is so much faster. A good example of this is computer games, most of which are written in machine language.
If you would like to find out more about machine language and how to use it on your computer, there are a few books available at your local library, book store,or computer centers.

```
10 AD=4096: REM THIS IS THE STARTING
ADD   RESS OF THE MACHINE LANGUAGE
PROGRAM.   CHANGE IT TO WHATEVER
VALUE THE PROGR   AM CALLS FOR.
20 READ A$:IF A$="END" THEN END
30 A1$= LEFT$(A$,1):A2$=
RIGHT$(A$,1)
40 A1 =ASC(A1$)-48:A2 = ASC(A2$)-48
50 IF A1>9 THEN A1 = A1-7
60 IF A2>9 THEN A2 = A2-7
70 A = A1 * 16 + A2
80 POKE AD,A
90 GOTO 20
100 DATA XX,XX,XX,XX,END: REM YOUR
HEX DATA GOES HERE. BE SURE TO
INCLUDE "END" AFTER THE LAST BYTE OF
YOUR DATA.
```

software review by John Boeren

The Home Accountant

"The Home Accountant"by Continental Software ($65) is a very comprehensive and powerful home financial package.It recently was listed in the top five of home /business software applications.It is not inexpensive, but you could buy a $25 home budget package, a $21 checkbook manager, and still not have one half of the capabilities "HA" has all in one integrated format.It is not easy to learn but has a well written 136 page manual.It can easily manage up to 5 checkbooks, 100 budget categories, reconcile bank statements,print checks,search for any transations according to what ever parameter you choose, print reports, graphs and much more. If your personal or even small business records are anything but simple(and if you like playing with your computer) you won't be disappointed with "The Home Accountant."

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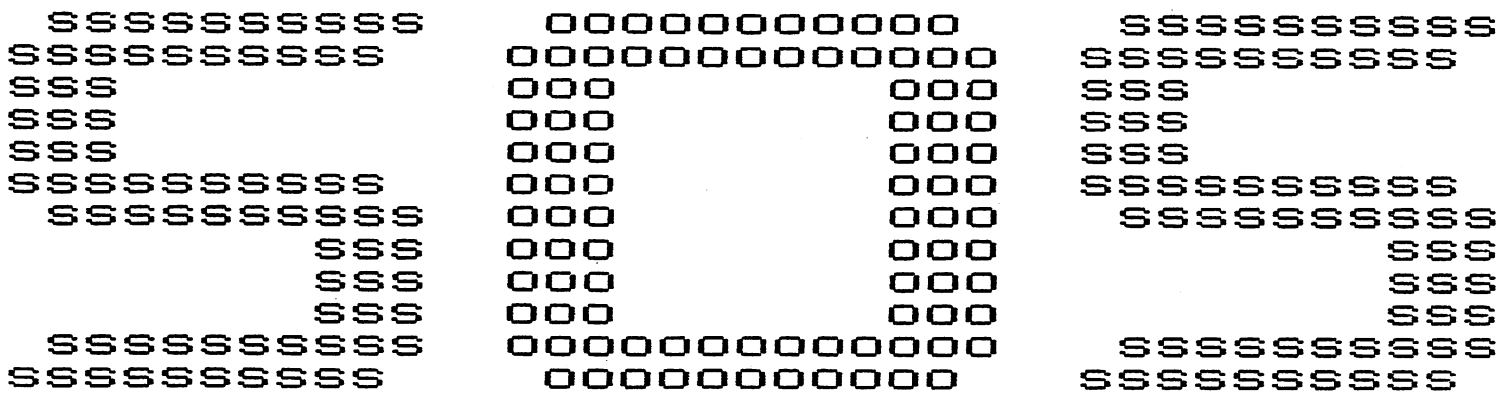
ILLINOIS, 62208



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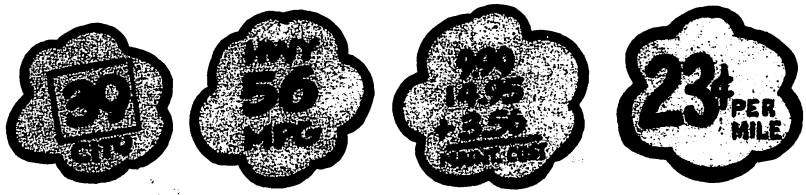

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JUNE 1984 VOLUME 1 NUMBER 4

GATEWAY COMPUTER CLUB

GAZETTE

COMING EVENTS:

GENERAL MEETING 20 JUNE 84, 7:00

EXEC. BOARD MEETING 27 JUNE 84
7:30, (GROUND ROUND)

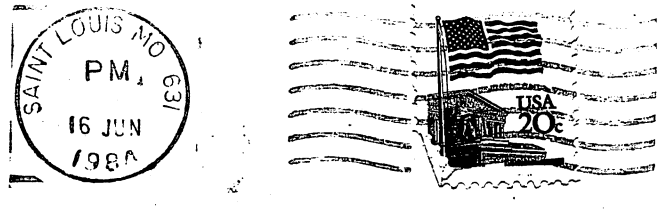
CLUB PROJECT

At the last board meeting Bill Morisseau suggested that the club hold a COMPUTERS IN EDUCATION fair. It was unanimously accepted as a great project for the club. It was thought that St. Clair Mall would be a good place to have it. We must now look into this possibility. The date will be set later, but mid-August seems best.

If you have any ideas, suggestions, or can help out on this project, please contact Bill Morisseau.

VINCE LE PES

GATEWAY COMPUTER CLUB
PO BOX 207
BELLEVILLE IL. 62222



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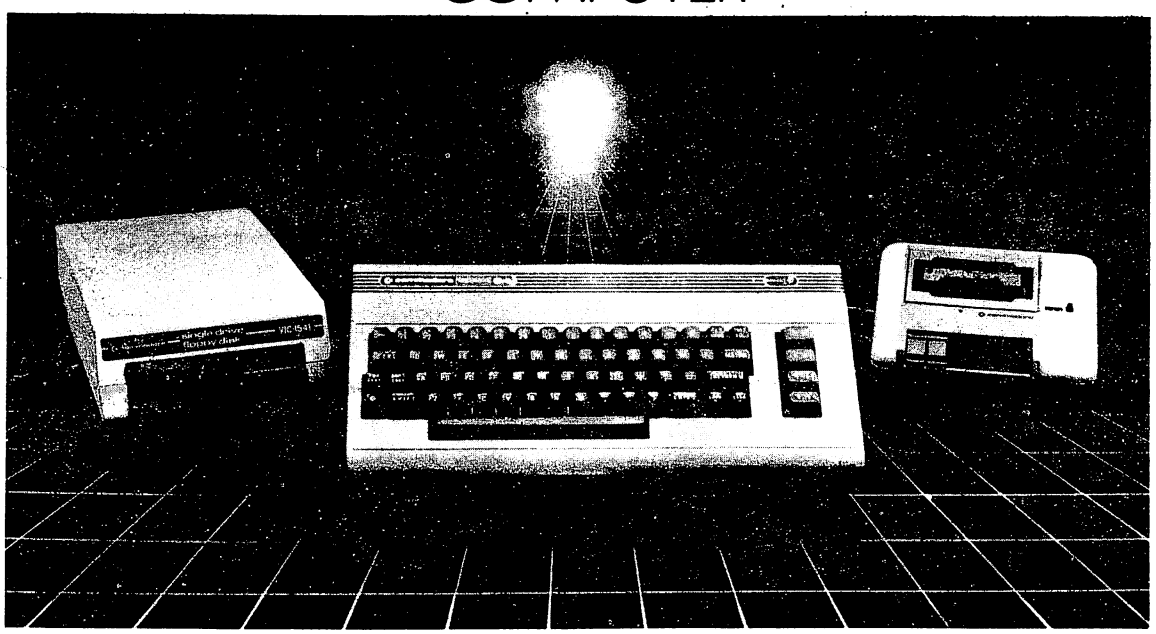

K+'S

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MON. - FRI 9 TO 7
SATURDAY 9 TO 5

EDITORs VIEW

Well the summer months are almost upon us and much of the C64 use will dwindle as water sports and summer activities take its place. However for those of us who will continue to crunch numbers, shoot up the screen and do some long needed programming in spite of the warm weather, we will endeavor to put out a monthly newsletter.

As you will see in the upcoming pages of print, we have tried to keep the newsletter down in size. There are two primary reasons for this. 1. The executive board has requested that the newsletter, as much as possible pay for itself through advertising. 2. Lack of membership submissions. This area is the more important of the the two. As was stated before we need your thoughts, your ideas, your neat routines or utilities you have written. NO ARTICLE WILL BE REFUSED!!!!!The value of the newsletter is directly dependent on the submissions made by the members. I have listened to many of the conversations that go on during our monthly meetings and you folks have a lot to share. Think of it this way if you come up to one of your friends and the conversation starts like this "Quess what I did last night on my computer..." you have the makings of an article right there.

This issue of the newsletter contains two new columns; "Looking over the secretary's desk" and "BASICS CORNER". The first will feature our own Rich Fisher as he reports on the happenings at the Executive session. Welcome to the world of typing Rich. The other column is a look at the basic commands for the 64. The first column will discuss some of the aspects of the PRINT statement. Don't skip over it just because we call it the BASIC CORNER. It is aimed primarily at the beginning programmer but even old programmers can learn a few new tricks.

Next month look for the start of a classified section in the newsletter. More will be explained at the meeting.

Until next month keep computing....ED.

The G.C.C. GAZETTE

EDITOR: Joel Minto

THE GAZETTE is published monthly by the GATEWAY COMPUTER CLUB as a membership service. Please direct all submissions and advertising to 1451A Galaxy Scott AFB, IL, 62225. Camera ready advertising must be received by the tenth of each month to be included in the issue of the following month. Rates are as follows: full page-$30.00, half page-$15.00, Quarter page-$7.50.

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THE CLUB

Membership fee is $15.00 per year. Additional family members can join at $3.00 per individual. Members receive access to our programs, literature, BBS. and newsletter. Direct all membership applications and questions to Rich Fisher, P.O. BOX 1831, Fairview Heights, Ill. 62208.

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LOOKING.
over the secretary's desk

Welcome readers to a new column in the newsletter. In this and future columns I will bring you all of the hotest items directly from the floor of the executive board meetings.

At the last board meeting (MAY) everyone was concerned over the lack of attendance at the regular meetings. It was decided that the business portion of the meeting would be just that - **all business**-ie. no computers will be up and running from 7:00 to 7:30. The good news is that the business portion will only take 30 minutes. At 7:30 (and if you are really not interested in the business portion, you can wait until 7:30 to arrive) there will be several options available to you: If you brought your disk drive and computer- (and your latest bag of disks) you can at that time feel free to tap the library for new programs or demonstratesome of your recent accomplishments or bombs to your friends.

At the same time I will be helping any of you that have just acquired new 64's and have basic questions about hookup and beginning usage.

Vince will be demonstrating some of the newest software on the market and thats just the beginning. After all, the club is structured so that we as users can get the most out of our C64's. If you have a particular interest or would like to see a special group formed in a particular area let us know.

Finally, no matter what- PLEASE ATTEND THE MEETINGS!!! If you see areas that you feel could be improved, by all means let us know; and remember when you come, bring your computer and drive. I know it seems like a lot of trouble, but after all thats what were here for-COMPUTING
See ya at the next meeting!

Rich Fisher, sec'y

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FROM THE TOP

Isn't this exciting! Two newsletters in a row, and only one month apart. Joel is keeping his commitment of putting out a newsletter every month. You will also notice the lack of articles. Once again Joel had no submissions. We do hope, though, that the newsletter acts as a reminder for the meeting. It will be sent out Saturday so that you will receive it Mon-Tues. We hope this will boost attendance at the meetings. Attendance has dropped off considerably the last few months. If you haven't been at the meetings lately, I would appreciate it, if you would let me know why. We would like to know what we can do to entice you to come.

Along the same theme, the board has changed the meeting format for the next couple of months. This was done to insure more order at the meetings and give you more of what you come to the meetings for.

No computers will be allowed to be set up until 7:30. The business part of the meeting will be conducted at this time, without the racket, confusion, and distraction of someone running his computer. At 7:30 there will be a short break. Then the demo's will begin. Those not interested in the demo's can go into the other room to set up their equiptment, or go into hall to talk. We have had numerous complaints from those who want to hear the demo's. We have members who have been very inconsiderate by carring on their own discussions while the meeting is going on. Once again, the few have made it difficult for the majority. We hope this will solve the problem. After the demo's, the newcomers meeting, or any other interest group, will gather. We will appreciate your co-operation in this change.

In closing, I want to thank all of you for the favorable, and encouraging responces I received from my last column.

Vince Le Pes
Pres. G.C.C.

PRINT STATEMENTS

As promised here is the first installment of the beginners BASIC column. I have decided to write on selected topics rather than write a continuing column. This will allow everyone, no matter what their knowledge of BASIC to be able to gain something from each edition. This months topic is **PRINT STATEMENTS.**

How many of you remember one of the first commands you gave your newly acquired C64 or VIC20. Look Ma, I made it write my name!!! We have all manipulated words on a screen with the print statement and how many programs can you think of that doesn't have a print statement in it somewhere.

Actually the print statement is one of the most useful and flexible of all the commands. The word PRINT is used because the original BASIC system at Dartmouth relied on mechanical teleprinters which really did print the answers on rolls of paper. In fact there is probably no other statement in BASIC with more variety than the PRINT statement. There are so many symbols, functions and parameters associated with the statement that it might almost be considered a language of its own within BASIC. You would probably be more accurate however, by saying it was a special code designed for writing on a screen, or outputting to another device.

There is no possible way I could cover all the commands associated with the PRINT statement, but here are a few uses which are quite common, and perhaps the most important for beginning BASIC.

The PRINT command will handle both numbers and strings. In the case of numbers they can be printed directly such as.PRINT 123 or in the form of an equation where the computer works out the problem. The statement PRINT 1+2+3 (CR) will return the number 6 to the screen. There is one caution here if you plan on using your

(Cont. on back)

COMPUTERS

Every Little Bit Helps

A Beginner's Guide

by Madeleine Jacobs

Are you put off by input? Do disk drives make you dizzy? Do modems give you migraines?

If you have these symptoms, watch out! You may be suffering from "computer illiteracy", a mysterious malady of relatively recent origin that rarely strikes anyone under the age of 30. Left untreated, the consequences of this dread disease are, well — dare we say it? — terminal.

But don't despair, you're not alone. Last year millions of Americans sought cures for computer literacy. Their remedies ranged from the commonplace — hanging out at the growing number of computer stores or taking cram courses in basic computer literacy at community colleges, libraries and even museums — to the exotic — combining sun and study at Club Med resorts and adult computer camps or vacationing at computer-controlled Walt Disney World Epcot Center in Florida.

Choosing the proper prescription depends on the individual, according to Rachelle Heller and Dianne Martin, two Maryland-based computer scientists. These instructors and authors, both 39, represent a new kind of practitioner: The gentle guide who diagnoses and helps overcome computer shock and network neurosis.

The two women define computer literacy in terms of "comfort level". Heller explains: "The person who is a laboratory scientist needs a different kind of computer literacy than an elementary school teacher or a parent or a newspaper reporter. Computer literacy is what you need to know to feel comfortable in your daily life."

Not surprisingly, what you need to know to feel comfortable is increasing. "Ten or 15 years ago," Martin points out, "computers were the domain of the technological elite. Now, the average person comes in contact with computers, or the effects of computers, perhaps 50 times in a single day — at the gas station or bank, in the grocery store and office, at home. Today, computers are for the people. Everyone needs some level of literacy."

Fine, but how does the beginner begin? Often a person's first thought is to wander into one of the proliferating number of computer stores displaying and selling personal computers — so-called "microprocessors" that can be programmed for a variety of applications, from preparing household budgets and income taxes to carrying out inventories for small businesses or playing video games.

"Visiting a computer store first may be about the worst thing a computer 'illiterate' can do," Heller believes. What happens? The individual who is already feeling intimidated by computers is either approached by a hard-sell computer salesman — an expert who speaks some strange language filled with words like bit, byte, ROM and RAM — or he's mobbed by the "skinned-knee" crowd, kids who are right at home working at a computer terminal. Either situation simply turns up the anxiety level.

Instead, Heller suggests an approach that is "user-friendly" — a term applied to a computer system that is easy and nonthreatening to use and understand.

In the past year, for instance, Heller and Martin have taught a one-day computer literacy course, offered every few months and held in the National Museum of Natural History.

In this out-of-context, nontraditional setting, people feel more at ease. A recent course attracted some 450 people, mostly over the age of 30, including attorneys, accountants, bankers, economists, artists, writers, physicians, secretaries, homemakers, teachers and even a special agent from the FBI.

The Smithsonian course is similiar to those offered across the nation by community colleges, libraries, computer clubs, commercial enterprises and adult-education programs.

Most courses explain the basic principles and terminology of computers, discuss applications, and explore social and ethical concerns. Some even teach basic programming. At least one public broadcasting station, WETA-TV in Washington, D.C., is running a 23-week course in basic computer literacy, which viewers can take for credit through local colleges. As as added bonus, each college offers hands-on time in the school's computer facilities.

More exotic — and more expensive — introductions also are available. Club Med, a company that offers pre-packaged week-long getaways at various villages in tropical locations, has equipped several of its resorts with personal computers and instructors.

From Connecticut to California, adults also have their very own computer camps, a luxury formerly reserved for precocious

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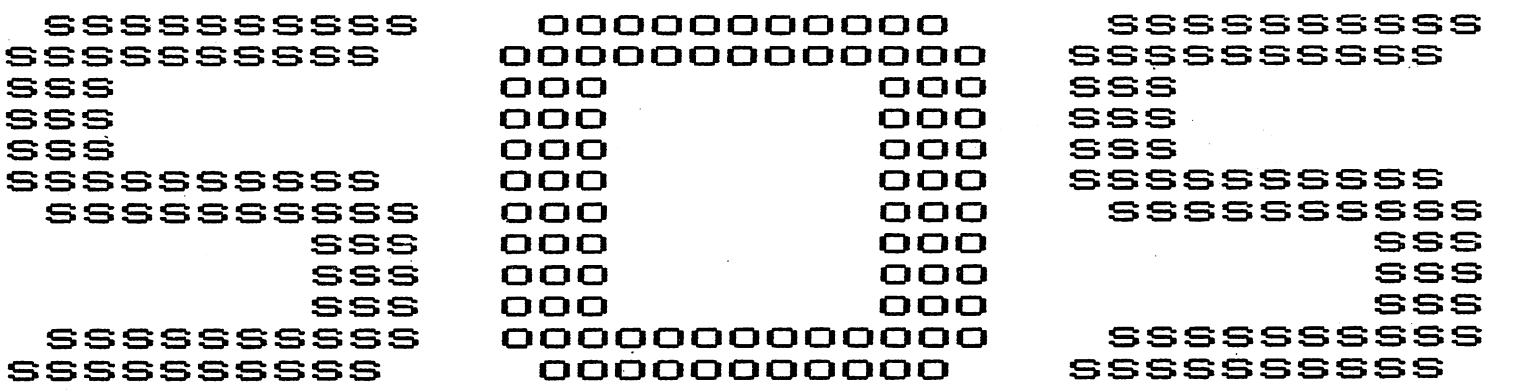

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C64/VIC20 as a calculator. Remember that the computer always carries out multiplication and division functions before addition and subtraction. The statement PRINT 5+1*3 will yield 8 not 15! The complexity of your calculations are only hindered by your knowledge of algebraic equations. They can be quite complicated including brackets and including all the special functions that you would find on a standard scientific calculator. In the higher mathmatic computations the computer follows normal high school rules of order of precedence. With strings or any sequence of characters enclosed in quotes, the computer displays on the screen anything in the variable or anything in the quotes ie:
PRINT "ABC DEF G" will yield-
ABC DEF G (complete with the spaces)

PRINT "3+2" will yield-
3+2: not 5

In addition the string A$=12345 when used in a print statement will yield the numbers or letters assigned to the string ie.
A$=12345 (CR)
PRINT A$ (CR)
will yield 12345 when you run the program.

You do not need to put each string or quantity on separate lines with a PRINT command before it. The command can handle two or more quantities or strings at the same time. The 40 character screen line is divided into 4 print zones of 10 characters each. If in the PRINT statement you separate the quantities by a comma the second quantity will be printed in the second print zone. A comma acts almost like a tab space- ie.
PRINT 123,456 (CR) will yield
123.......456....... (dots do not appear). If you use a semi-colon between strings or characters in quotes the separated quantities will be printed right next to each other.
PRINT "CAT","FISH" (CR) yields-
CAT.......FISH......(dots not included).
PRINT "CAT";"FISH" (CR) yields-
CATFISH

There is one exception, numbers are preceeded and followed by a space. Try PRINT1;2;3;4 earlier I said this would put each of the characters right next to each other but if you look closely you will see that there is a space between each one (use the cursor to check).

We have barely scratched the surface for this month. Next month we will continue with the PRINT statement and see what other wonderful surprises it has in store for us. So until next month keep computing!!!

ED.

kids. And virtually all large children's camps now promote computer instruction as a prime selling point in their ads.

For the whole computer-curious family, there is Epcot Center- the newest Walt Disney venture adjacent to the Magic Kingdom in Florida's Walt Disney World.....
... The hardest step to take on the road to computer literacy is the first one, Heller and Martin acknowledge. In their work they meet people who feel alienated and isolated by computers, some who believe that computers have gained control of their lives, and others who are downright hostile, beleiving that computers will take over their jobs.

"People have endowed the computer with a mystical, godlike quality," Martin says, "but it really is nothing more than a dumb tool. We try to assure people that a computer is no more intelligent than a wooden pencil. It does exactly what it is told to do - by you."

One thing to remember: There is no escaping the computer revolution, so you might as well join it. Just think about the computer. It took 250 years from the time man first described the notion of a mechanical desk calculating machine until it became widely used. In contrast, in less than 40 years the computer has gone from a concept to a part of everyone's life. Few other technological developments in the history of mankind have had this kind of impact on daily life.

Yes, computers are here to stay.

JULY 1984 VOLUME 1 NUMBER 5

GATEWAY COMPUTER CLUB

GAZETTE

COMING EVENTS:

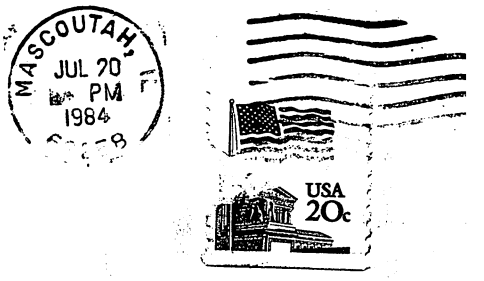
GENERAL MEETING 19 JULY 84, 7:00

EXEC. BOARD MEETING 26 JULY 84
7:30, (GROUND ROUND)

EXTRA EXTRA

WE ARE STILL IN NEED OF SOMEONE TO HEAD UP THE EDUCATIONAL COMPUTER FAIR FOR THE LATTER PART OF AUGUST. PLANS NEED TO BE MADE **NOW.** CONTACT VINCE LE PES OR ANY MEMBER OF THE BOARD IF YOU ARE INTERESTED. (ED.)

GATEWAY COMPUTER CLUB
PO BOX 207
BELLEVILLE IL. 62222



Looking-

over the secretary's desk

This month's executive board meeting was held at the Ground Round in Fairview Hgts. and I must say the atmosphere and food (and drink!) led to a lot of discussion.

One discovery was the fact that the constitution of the club has never actually been voted on by the membership.... So it was agreed upon that our distinguished editor would wallow through the archives of the clubs files, dig up a copy, print it here for all to read and vote on at a future meeting.

While on the subject of voting, it was decided that in order to insure an accurate membership vote. From now on, you will raise your membership cards to be counted, and there will be no doubt whether or not you are a vote that counts (ie. no card,no vote!).

Oh yeah-the results of the BBS survey are in...To summarize, everyone that turned in a survey wants a Bulletin Board. The fee, if any, should be minimal,and no one thought it was too expensive personally or for the club. Well, at the board meeting, a figure of approximately $950 was thought to be total expense needed to purchase the hardware to be on line. I know that seems to be a great sum to acquire, but if everybody attended one meeting and brought one new member along, our goal would not only be reached but almost doubled. (TRANSLATION: if 50% of you sign up a new member, you will be able to call the BBS as soon as we cash the checks and get Ma Bell to hook up the line!!!)

Also it was deciede to add a free (to members only) classified section to the newsletter-now if you are like Tom Metzger, our librarian, with a computer desk and chair for sale you have a proper place to advertise it (I think Tom just got another free desk ad-Ed).

One other thing..**PLEASE**-we need a volunteer for the EDUCATIONAL FAIR...think of it hundreds of potential new club members are out there just waiting to be asked that one question..."Do you know what a '64' will do?"..surely one or more of you are qualified in the education or training department and would like to help your club. Don't worry about being an expert. We'll furnish one educational program per computer and all you have to do is run and explain it. We will be targeting all age groups with several programs but only one per setup-that way the game playing will be limited to "Hangman" or other educational games. We desperately need someone to coordinate the affair, get space allocated, and draft a committee to put the thing together. What do you say: it's your club, and without everyone's help it will lay here until school starts,then interest in educational material will dwindle. The time to strike (or demonstrate) is August.

I heard a lot of comments about last months meeting, and they were all good. I was pleased to see more computers there copying from our Library. Tom said disk sales reached an all time high.

That's all for this month, see ya at the meeting, and**BRING YOUR COMPUTER!**

Rich Fisher, sec'y

THE CLUB

Membership fee is $15.00 per year. Additional family members can join at $3.00 per individual. Members receive access to our programs, literature, BBS. and newsletter. Direct all membership applications and questions to Rich Fisher, P.O. BOX 1831, Fairview Heights, Ill. 62208.

CLUB OFFICERS

PRESIDENT: Vince Le Pes....874-1136
VICE PRES: Ed Cox.....397-4107
SECRETARY: Rich Fisher.....235-6484
TREASURER: Bill Morisseau..235-2962
LIBRARIAN: Dale Castello...588-4920
EDITOR : Joel Minto.....744-1242
SYSOP : Dale Wentz.....397-2474
M.A.L. : John Sundstrom..397-7235
M.A.L. : Gary Vogel.....235-1837

SYSOP REPORT FOR JULY

As you all know the club is going to put up a BBS system. And I would like to say that we now have two very good systems to put up. I have two BBS programs that look very promising, plus one of my own. I have picked up a Bell 103 300 baud autoanswer modem that the club may use, and we talked about getting the rest of the hardware for the BBS at the last two board mettings. We also talked about getting an aditional MSD disk drive and a C-64 computer for the BBS. The club may use my second modem if it works, I haven't had it out of the box yet. If anyone has any sugestions or any hardware they would like to donate or lend to the club it would be very helpful. If one of the two software packages that I have, turn out to be what the club is looking for, I will buy it and donate it to the club. The Ravics board, looks to be the best one for the 64 computer. I haven't seen anything better running on the 64 to date. The other board that I have is Steve Punters, I personally don't like this board as much. It is too hard to operate at the users end, and requires a lot more work on my part. Any sugestions at this time would be helpful. The only thing holding us back at this point is some hardware, and a phone line.

DALE WENTZ (SYSOP)

NEW MEMBERS-

All of us at the Gateway Computer club would like to welcome to the fold the following new members:

Steve Hoerner
Craig Krausz
Gene Lindsey
Rolland Thouvenot
James Williams
Mark McAtee

Software Or Systems

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CONNECTION INTERFACE	$89.95
1650 AUTOMODEM	$99.95
1541 EXPRESS (2X SPEED)	$76.95
SAKATA MONITOR	$229.95
WESTRIDGE AUTO MODEM	$99.95
HESKIT 64 TOOL KIT (WOW)	$42.46
GORILLA MONITOR	$95.00

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FLIP'N'FILE 10	$5.95
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SUPER STIK JOYSTICK	$9.95
SUPER SKETCH PAD	$50.95
KOALA PAD	$79.95
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2nd BOOK OF 64	$12.95

SEE US FOR COMMODORE REPAIRS ** ASK ABOUT THE EXCHANGE PROGRAM

CALL OUR NEW BBS AFTER HOURS

YOUR COMPUTER HEADQUARTERS

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ARTICLE I
OBJECTIVES

We the undersigned, wishing to secure for ourselves the pleasures and benefits of the association of persons commonly interested in the VIC 20/ C64 computers, constitute ourselves the "Gateway Computer Club" and enact this constitution as our governing law. It shall be our purpose to further the exchange of information and cooperation between members, to promote educational activities leading to increased computer knowledge, fraternalism and individual operating and programming efficiency, and to so conduct club programs and activities as to advance the general interests and welfare of Commodore computer users.

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All persons interested in Commodore computers shall be eligible for membership. Membership shall be by application and upon such terms as the club shall by its By-Laws provide.

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2. Duties of the President: The President shall conduct all business meetings, according to this constitution and the club By-Laws. The President shall be responsible for appointing a chairman of required committees.

3. Duties of the Vice-President: The Vice-President shall fulfill all the duties of the President when the President is unable to carry out any such duty. The Vice-President shall assist the President when required in fulfilling club duties. In the event of resignation of the President the Vice-President shall assume the office oc President for the remainder of the current term. The resulting vacancy in the office of Vice-President will be filled as provided in Article III Section I. The Vice-President shall be responsible for greeting quests and visitors.

4. Duties of the Secretary: The Secretary shall be responsible for recording minutes of all business meetings. The Secretary shall maintain all minutes of all previous business meetings and shall have available at business meetings, a copy of the current constitution and By-Laws, and minutes of the previous twelve months business meetings. The Secretary shall be responsible for all club correspondence not conducted by the President. The Secretary shall see that a current roster of members, including addresses and phone numbers, is maintained.

5. Duties of the Treasurer: The Treasurer shall receive and disburse club funds. The Treasurer shall keep accurate records and accounts of all income, disbursements and assets of the club. The Treasurer shall give a report of the state of club finances at each business meeting. The Treasurer shall prepare a financial statement summarizing club financial transactions for presentation at the first business meeting of the following year. The Treasurer shall keep a record of payment of dues by members, and inform appropriate officers of members in arrears on payment of dues.

6. Duties of the Editor: The Editor shall collect articles from members and outside sources for the sole purpose of publishing a club newsletter. The newsletter will promote the exchange of information leading to increased computer knowledge. The Editor shall publish the club newsletter as specified in the By-Laws.

7. Duties of Systems Operator: The Systems Operator shall be responsible for the establishment and maintenance of a club bulletin board. The bulletin board will consist of those items as outlined in the club By-Laws.

8. Duties of Librarian: The club Librarian shall be responsible for the clubs public domain software. The Librarian will catalog and make the library available to all members at each scheduled club meeting and at the quarterly copy sessions.The Librarian will also be reponsible for providing a disk-of-the-month at the monthly meeting.

9. Duties of Members at Large: The two Members at Large will assist the Executive Board.They have full voting powers.

ARTICLE IV
EXECUTIVE BOARD

The Executive Board shall be comprised of President, Vice-President, Secretary, Treasurer, Editor, Systems Operator, Librarian and two Members at Large. The sole purpose of the Executive Board will be to discuss ideas and set direction and make recommendations for approval by the general membership. The Executive Board will meet monthly and have at least five members present for a quorum.

ARTICLE V
MEETINGS

Meetings shall be held on a regular monthly basis at a place, date and time acceptable to the membership. At meetings a minimum of one elected official and 33% of the other members shall constitute a quorum for the transaction of business. Special meetings may be called by the President or the Executive Board. Meetings are open to the public.

ARTICLE VI
DUES

The club, by majority vote of those present at any meeting, may levy yearly dues upon the membership as shall be deemed necessary for the business of the club. Non-payment of such dues will result in the loss of the benefits which the dues provide. Benefits shall be reinstated upon settlement of delinquent accounts.

ARTICLE VII
AMENDMENTS

1. This constitution or its By-Laws may be amended by a 2/3 vote of the total membership present. Proposals for amendments shall be voted on at the next meeting, provided all members have been notified of the intent to amend the constitution.

2. Ratification of this constitution shall be by 2/3 vote of those present at an announced meeting.

ARTICLE VIII
DISSOLUTION

In the event of dissolution, a committee will be established by the President to recommend proposed use(s) for assets of the club. Actual decision for use of the assets will require a 2/3 vote of the total membership present at an announced meeting.

BY-LAWS

ONE:Membership dues will be fifteen dollars per year.($15.00)

TWO:A membership card will be required to access the club library and to vote at any general meeting.

THREE: The G.C.C. will meet on the third wed. of each month at 7:00PM at 218 W. Main St. Belleville Il.

FOUR: The President will conduct and preside over the main meeting. The following order will be used if the President is not present: V.P.,Sec.,Treas.,Libr

FIVE: The meetings will be presented in three parts: a)business meeting b)the demonstration c)open time for personal discussions.

SIX: Meetings will be governed by Roberts Rules of Order.

SEVEN: The Librarian and the Editor will be provided with a working cash fund for the purpose of purchases as directed bythe club.

The G.C.C. GAZETTE

EDITOR: Joel Minto

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EDITORs VIEW

This will be an abreviated column this month. I didn't have all the room I would have liked. Please take special notice of the proposed Constitution and By-Laws in the newsletter. The Constitution will also be in next months Newsletter so that everyone will have ample opportunity to have reviewed it. Also note that more people are beginning to use the Newsletter for providing useful techniques and routines. I apologize for the size of the print this month but in order to get everything in it was necessary. (Ed.)

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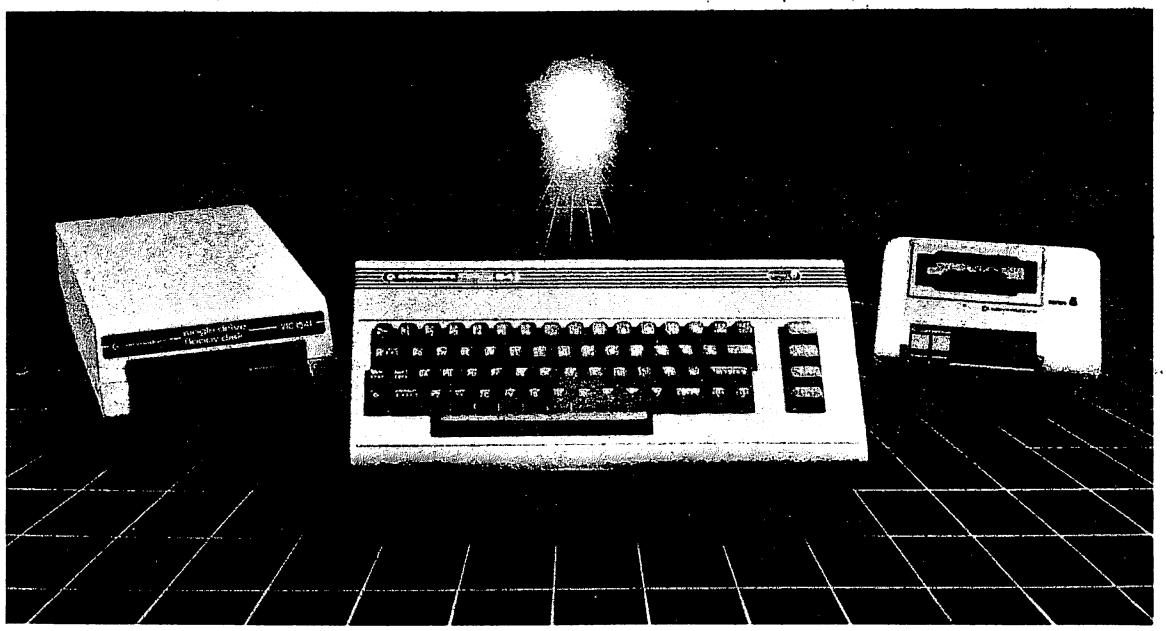

K+'S

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MON. - FRI 9 TO 7
SATURDAY 9 TO 5

VIEW FROM THE TOP

The good old summertime. A time for picnics, bar-b-ques, fishing, swimming, boating, camping, ballgames, and **vacations.** The weather has been very good, so far, and this summer has been nothing short of great! There are so many things to do in the summer. Things we love to do, which, if we don't do them now, will elude us for another year. And then, there are vacations to consider. Thank GOD there is daylight saving's time. How else can we find enough time to get it all done!

"COMPUTERS YOU SAY!" Are you kidding? How can I find time for computers with my schedule. There's LITTLE LEAGUE, the COMPANY PICNIC, and besides I'm going on vacation next week. I'll see how it looks when I get back.

Does any of this sound familiar? It should. It happens to all of us. The summer IS a different time, and no-one should feel guilty about taking advantage of what time they can enjoy. And recreational computing should be just that, fun, not a ball and chain. Besides, the time away from your computer may help you enjoy your time with it later even more.

Don't let the ADDICTS (like me) and the GROUPIES bother you. do what you enjoy now! your computer will always wait for your return. It will patiently and loyally wait for you. It will be there, at a minutes notice, waiting for your beckon call. And, you may end up with a better feeling about it all.

Have a good summer and enjoy as much of it as you can squeeze in! I'll catch you on the flip-flop. and...OH-OH..my plane is about to leave ....see ....y o u ....**later**

VINCE LE PES
PRES. G.C.C.

WE'RE STILL LOOKING FOR HELP WITH THE COMPUTERS IN EDUCATION FAIR. ANY ADDICTS OUT THERE WITH TIME ON THEIR HANDS? V.L.

SOME 1541 FIXES

I spent the last week at Lincoln College's computer camp. There was so much going on that I am still gathering my notes. I will give you a full report next month. There are a few things that I thought you would all be interested in about the 1541 disk drive. As you all know alignment has been a problem in the 1541's. Over the last week we have found two solutions to the problem. I will explain them both here and give you a little back ground about each of them.

Dick Immers gave a class called advanced DOS protection, He explained how to protect your own software and how to customize your 1541 by adding software to the inside of your 1541. Mike Todd from England also was very familiar with the subject , he and Dick Immers came up with a software fix to keep the drive from bumping when it went to track one. This is the program, load and run it before loading your favorite DOS protected software, it will keep the heads from bumping 90% of the time, and will stay in effect until the drive is powered down.

```
   10 open 15,8,15
20 print#15,"m-w";chr$(108)
   chr$(0)chr$(1)chr$(133)
30 close15
40 end
```

This is for the 1541 only. If you have a 4040 or a 8050 drop me a line and I will give you aditional information on those drives.

The hardware fix has kind of a neat story around it. Stu MItchel, Roy Buchanan(Buck), and I were sitting at breakfast talking about the 1541 alignment problems, Buck came up with the idea of adding a spring to the 1541 to help fix the problem. We then sat there and tried to figure out where we could get such a spring. The suggestions that came up were quite different. One of us suggested a mouse trap, springs from car parts, then I sugested making a spring out of piano wire, the only problem with this was Lincoln had no hobby shop that had piano wire. One of the other guys that was sitting at the table pulled out his key ring and asked if the wire it was made out of would work, it was the exact type of spring wire we were looking for. Buck had enough wire to try it in six 1541s, one of which we were having problems keeping aligned all week. As a result all six 1541s that Buck fixed, had no problems the rest of the week. Not only did they stay in alignment they also were a lot quieter then the rest. If any of you have a 1541 that has been having a lot of alignaet problems, talk to me about putting in this new spring. One more thing, the fix does not harm the drive, it can be put back to its normal state in about 10 min. or so. We are all going to keep track of the progress of this and other things we learned in the last week, so as to get a feel for how things are proving them selves over the next month. If they prove out Buck is going to publish them in one of the Trade Magazines for Commodore computers.

In the following months I plan to cover some of the things that I learned at the camp, and keep you informed of the new advances that the people that I am keeping in touch with from the camp come up with. Sorry that there isn't more time to go into more detail of the camp right now. But I will cover it next month.

Dale Wentz

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Call Dale Wentz at 344-7912

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AUGUST 1984 VOLUME 1 NUMBER 5
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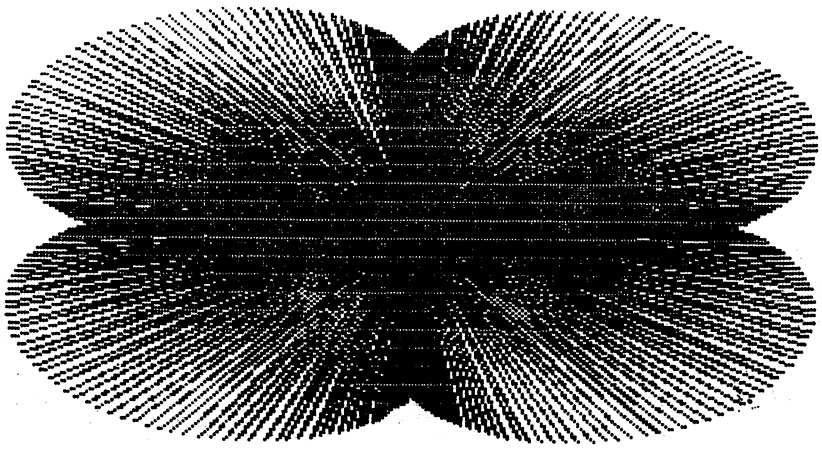
GAZETTE



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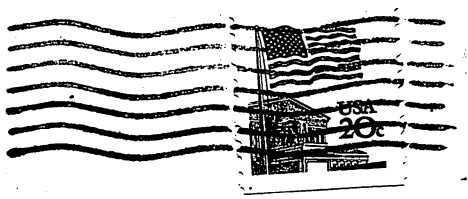

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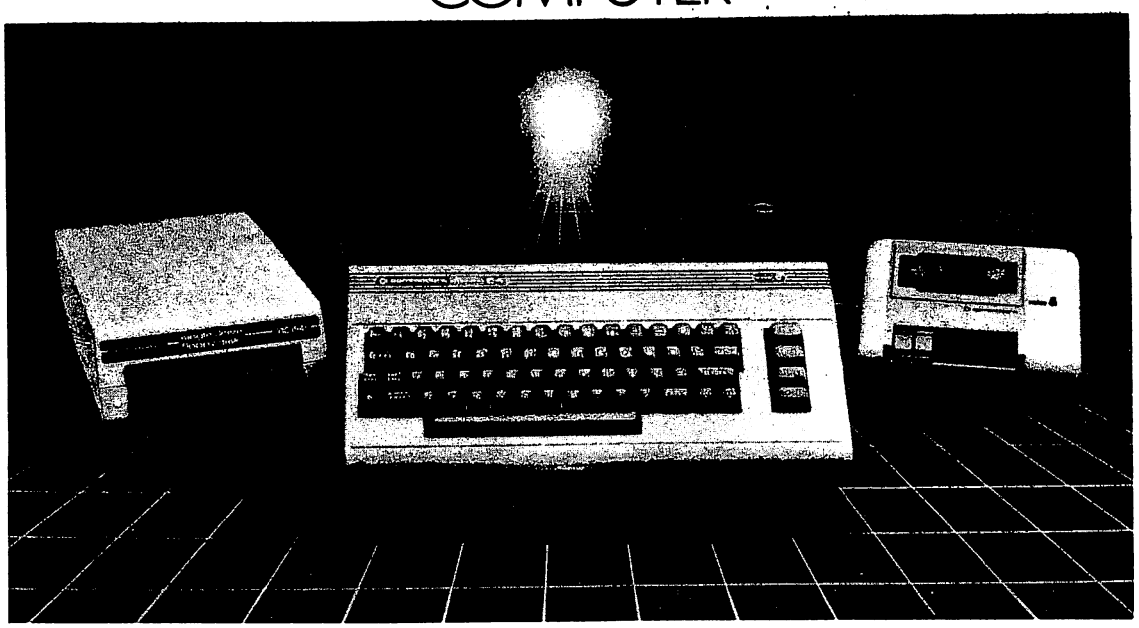

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FROM THE TOP

Well, here we are again. Summer activities are drawing to a close and school opening is just around the corner. the kids are anxious (like waiting in a dentist's office) and I'm sure mom is praying for that momentous day: **THE FIRST DAY OF SCHOOL.**

While the kids are trying to ignore the entire issue, mom and dad are buzy planning for that big day. Mary needs new shoes. Johnny needs new jeans. Then there is the lunch boxes, paper, rulers, books, pencils..... it goes on and on.

Also, hard at work is their new teacher. Selecting study material, reviewing text books, preparing outlines, and checking out the new software he/she will be using to help your kids this fall.

It wasn't so long ago that teachers were opposed to computers in the classroom. They were afraid it would take their place and they would be out of a job. Now, they have since learned what computers are really about. The fear is gone. They have learned to use it like any other tool at their disposal. And like books they select the software they feel is best.
Now, I know we've all come to accept computers in the classroom. But, what about the software used to make this little bit of magic work? Everyone is concerned about what text books Johnny is using. There are guidlines, rules, and review committies for everything except software. There doesn't seem to be any parental concern whether or not the software used is right or appropriate.

I think the first problem is what happened to the teachers. Most parents do not know what software is, much less how good it is. As prevalant as computers are becoming, parents should take as active a part in the software selection as they are now doing with text books.

As computer users in the club, you are light years ahead of most parents. You understand the computer, and this is your chance to help others to become computer literate. The need the knowledge and understanding you have. This will help them make decisions about what software their kids use.

One way you can help is contributing in any way to the club project. As you should be aware of by now, it is the **COMPUTERS IN EDUCATION FAIR** to be held at the mall in October. For more information, contact Earl Salmons.

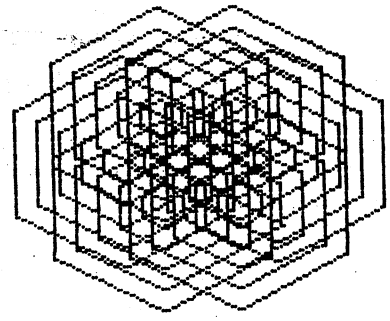
But, don't limit yourself to just this event. Get involved in what your kids are using in school. Who knows, you might be able to help them put together a better program!

KEEP COMPUTING

VINCE LE PES
PRES. G.C.C.

Editors view

This marks the one year anniversary for the club, and also the first group of people that come due for their membership dues. This issue once again dedicates two full pages to the proposed Constitution and By-Laws. Please read them and come prepared to amend and vote on them at the September meeting. Also there is a nifty program rewritten for the C64 by Gary Vogel, to create some unusual designs. Also there is a super review of Solo Flight by Earl Salmons. The article will also serve as a handy takeout for the controls and their operation. Next month will see a new column called the Basic Corner. One of the membership has relieved me of the responsibility. (I only got one column done due to the Constitution) Previously it was required to have all articles in by the 10th of the month in which the article is to printed. I have to revise that time limit to; "all articles must be in one week prior to the week the general meeting falls." This should alleviate the all night vigils I have had because of the meetings falling early in the month. The summer is winding down but the work for the club is beginning to pick up. Don't forget the upcoming Computer fair. **Be prepared to HELP**
See ya next month...(Ed.)



DUES DUES

The following individuals are the first ones privileged to renew their membership in the Gateway Computer Club. The Treasurer and the Secretary will greatly appreciate prompt payment.

Richard L. Collins
Edward C. Cox
Rich Engel
Patrick H. Finnegan
Richard L. Fisher
Randy Law
Vince Le Pes
Tom Metzger
Carl Raby
Rick Sorgea
Dick Stibor
John L. Sundstrom
Mike Taphorn
Ron Taylor
Dale Wentz

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OFFICERS

1. The officers of the "Gateway Computer Club" shall consist of a President, a Vice-President, a Secretary, a Treasurer, a Editor, a Systems operator, a software Librarian and two members at large. The officers shall be elected for a term of one year, by ballot of the members present. Newly elected officers shall assume their duties at the conclusion of the election meeting. In the event of a vacancy the office will be filled for the remainder of the term by a special election at the next meeting following the withdrawal or resignation, except for the office of President, which is provided for below. Any member in good standing shall be eligible for election to any office, as stated in the By-Laws.

2. Duties of the President: The President shall conduct all business meetings, according to this constitution and the club By-Laws. The President shall be responsible for appointing a chairman of required committees.

3. Duties of the Vice-President: The Vice-President shall fulfill all the duties of the President when the President is unable to carry out any such duty. The Vice-President shall assist the President when required in fulfilling club duties. In the event of resignation of the President the Vice-President shall assume the office oc President for the remainder of the current term. The resulting vacancy in the office of Vice-President will be filled as provided in Article III Section I. The Vice-President shall be responsible for greeting quests and visitors.

4. Duties of the Secretary: The Secretary shall be responsible for recording minutes of all business meetings. The Secretary shall maintain all minutes of all previous business meetings and shall have available at business meetings, a copy of the current constitution and By-Laws, and minutes of the previous twelve months business meetings. The Secretary shall be responsible for all club correspondence not conducted by the President. The Secretary shall see that a current roster of members, including addresses and phone numbers, is maintained.

5. Duties of the Treasurer: The Treasurer shall receive and disburse club funds. The Treasurer shall keep accurate records and accounts of all income, disbursements and assets of the club. The Treasurer shall give a report of the state of club finances at each business meeting. The Treasurer shall prepare a financial statement summarizing club financial transactions for presentation at the first business meeting of the following year. The Treasurer shall keep a record of payment of dues by members, and inform appropriate officers of members in arrears on payment of dues.

6. Duties of the Editor: The Editor shall collect articles from members and outside sources for the sole purpose of publishing a club newsletter. The newsletter will promote the exchange of information leading to increased computer knowledge. The Editor shall publish the club newsletter as specified in the By-Laws.

7. Duties of Systems Operator: The Systems Operator shall be responsible for the establishment and maintenance of a club bulletin board. The bulletin board will consist of those items as outlined in the club By-Laws.

8. Duties of Librarian: The club Librarian shall be responsible for the clubs public domain software. The Librarian will catalog and make the library available to all members at each scheduled club meeting and at the quarterly copy sessions.The Librarian will also be reponsible for providing a disk-of-the-month at the monthly meeting.

9. Duties of Members at Large: The two Members at Large will assist the Executive Board.They have full voting powers.

ARTICLE IV
EXECUTIVE BOARD

The Executive Board shall be comprised of President, Vice-President, Secretary, Treasurer, Editor, Systems Operator, Librarian and two Members at Large. The sole purpose of the Executive Board will be to discuss ideas and set direction and make recommendations for approval by the general membership. The Executive Board will meet monthly and have at least five members present for a quorum.

ARTICLE V
MEETINGS

Meetings shall be held on a regular monthly basis at a place, date and time acceptable to the membership. At meetings a minimum of one elected official and 33% of the other members shall constitute a quorum for the transaction of business. Special meetings may be called by the President or the Executive Board. Meetings are open to the public.

other members shall constitute a quorum for the transaction of business. Special meetings may be called by the President or the Executive Board. Meetings are open to the public.

ARTICLE VI
DUES

The club, by majority vote of those present at any meeting, may levy yearly dues upon the membership as shall be deemed necessary for the business of the club. Non-payment of such dues will result in the loss of the benefits which the dues provide. Benefits shall be reinstated upon settlement of delinquent accounts.

ARTICLE VII
AMENDMENTS

1. This constitution or its By-Laws may be amended by a 2/3 vote of the total membership present. Proposals for amendments shall be voted on at the next meeting, provided all members have been notified of the intent to amend the constitution.

2. Ratification of this constitution shall be by 2/3 vote of those present at an announced meeting.

ARTICLE VIII
DISSOLUTION

In the event of dissolution, a committee will be established by the President to recommend proposed use(s) for assets of the club. Actual decision for use of the assets will require a 2/3 vote of the total membership present at an announced meeting.

BY-LAWS

ONE:Membership dues will be fifteen dollars per year.($15.00)

TWO:A membership card will be required to access the club library and to vote at any general meeting.

THREE: The G.C.C. will meet on the third wed. of each month at 7:00PM at 218 W. Main St. Belleville Il.

FOUR: The President will conduct and preside over the main meeting. The following order will be used if the President is not present: V.P.,Sec.,Treas.,Libr

FIVE: The meetings will be presented in three parts: a)business meeting b)the demonstration c)open time for personal discussions.

SIX: Meetings will be governed by Roberts Rules of Order.

SEVEN: The Librarian and the Editor will be provided with a working cash fund for the purpose of purchases as directed bythe club.

```
900 goto2000
1000 print"S"
1010 pi=3.1459:tp=pi*2
1020 input"number of sides (15
max.)";sd
1025 if sd>15then1020
1030 si=40
1040 print:print"do you want a print
out"
1050 print"of this design (y/n)?";
1060 fetchR"s",i,p$
1070 print:if p$="y"then print"note:
if design is to be printed, video
display ";
1080 if p$="y"then print "will appear
distorted."
1090 pauseR 2
1100 sp=tp/sd:lm=tp/(sd*2)
1110 hiresR p,g
1120 for b=lm to tp stepsp
1130 x2=(si*sd/10)*sin(b)
1140 y2=(si*sd/12)*cos(b)
1150 for sz=si to si/5 step-8
1160 for a=0 to tp+sp/2 step sp
1170 if p$<>"y"thenp1=1.4:elseR:p1=1
1180 x=p1*sz*sin(a)+160+x2
1190 y=sz*cos(a)+90+y2
1200 if a=0then1220
1210 lineR x0,y0,x,y,1
1220 x0=x:y0=y
1230 next
1240 next
1250 next
1260 if
p$="y"thencopyR:elseR:goto1270
1270 goto1270
2000 rem soundR
2001 copyR
2010 volR 15
2012 waveR1,00010000
2015 envelopeR 1,0,10,0,0
2020 musicR5,"S1a4Ig4ISg"
2030 repeatR
2040 playR 1
2050 getx$:ifx$=""then2060
2060 untilRx$="n"orx$="s"
2070 if x$="n"thennrmR:goto10
2080 if x$="s"then2090
2090 getx$:ifx$=""then2090
2100 ifx$="n"thennrmR:goto10
3030 musicR5,"S1c5I"
```

COMING EVENTS:

GENERAL MEETING 15 AUGUST 84, 7:00

EXEC. BOARD MEETING 22 AUGUST 84
7:30, (GROUND ROUND)

SOLO FLIGHT

A Flight Simulator for Beginners

The top half of the screen is what you would see looking out of the windshield of a small airplane. This will tell you the attitude of your craft. You can also see out of the right or left window by pressing the cursor button.

The lower half of the screen is the instrument panel and contains, the altimeter, speed indicator, artificial horizon/attitude indicator, throttle indicator, pitch indicator (nose up or down), flap indicator, digital compass, vertical velocity indicator (VVI), fuel gauge, an engineer temperature warning light, landing gear light (when the gear is down), a brake light (when the brakes are applied), two VORs and an ILS indicator. Across the bottom of the screen is a strip telling wind velocity and direction; the ceiling; in the distance in feet of the clouds above the ground. On the right of the panel is an elapsed time clock which is reset at the start of each game.

Three maps are included -Kansas (easy), Washington (not as easy), and Colorado (most difficult). Four levels are built in - student, private, senior and command pilot. You can just fly around getting experience or you can play Air Mail.

A joystick controls the aircraft - up, down, left, right. The numbers control the throttle. "0" is no power, while "9" is full power. Press "L" to raise or lower the landing gear. "B" will apply or release the brakes. Press "F" for 20' flaps- again for 40' flaps, once more will raise them all the way. The left and right arrows will give the view out the side windows.The action can be stopped at any time by pressing "P", press it once more to resume. Side slips are accomplished by pressing the fire button and banking.

Now lets fly Air Mail. We select Colorado and Command Pilot. A chart will come on the screen telling you that you are at Aspen. Push F1 and you get one mailbag for Boulder. Now push F2 to get fuel. Each time you get another mailbag or more fuel the gross weight goes up. With one mailbag you can bring gross weight up to 500 lbs (with fuel) and that will get you anywhere in the state with a reserve. So that is what we will do. Look at the maps to get to Boulder from Aspen. You must get over mountains so 5,000' will be the cruising altitude. Using a protractor you will see Boulder is 050 degrees from Aspen so 050 degrees will be the compass heading. From all of our practice flying it is known that it takes 180 on the clock to get in sight of Boulder- not to Boulder. With this information we are ready to go. Press F4 and you can see your airplane on the runway heading due north, 0 degrees. Press "9" and the power indicator goes to the top and you can hear the engine rev up. You start down the runway pass the intersection and once the speed reaches 75knots pull back on the stick. The VVI will read 1, then 2 and then you will be off the ground. Pick up the wheels, your VVI should now indicate 5 and you should be over the end of the runway. Bank to your right keeping your airspeed at 90. When the compass reads 40 degrees decrease your bank so that you can roll out on a 050 degree heading. The VVI should now read +8, airspeed 80 going through 800 feet. We are now passing over the airport at Vail, Colorado. At 3500 feet all of a sudden the cloud ceiling drops to 2500 feet and you can't see anything. You must now watch your instruments very closely to be able to fly level and maintain your airspeed. Sometimes a crosswind will blow you off course so keep a close look on that compass, another on the speed, and another on the artificial horizon. At 4500' you break out "on top" of the cloud deck. You can see everything but the ground and the mountains. Level off reduce power to 5 or 6 and push the stick forward until the VVI reads 0. When the clock shows 180, reduce speed to 3 and start descending but don't let the VVI show more than -4 or -5. You are still over mountains. Into the soup you go again. At 2500 feet brake out into the clear and by golly, there is the airport. We can start descending faster if it is necessary. When you are 500 feet from the ground you will see the shadow of the plane on the ground. Put down the wheels. If your airspeed is more than 90, pop the flaps to 40 degrees to slow down. Don't let your airspeed get below 75. As you cross the end of the runway flare out, pull back on the stick until the VVI reads -1 or -2. Touch down easy. Press 0 to cut the engine, if you see you are running out of runway apply the brakes. Easy, huh? After you stop a map will come on the screen and shows the route you flew. If you made a detour or landed at the wrong airport (don't laugh it happens), it will show up on the map. Then a report card will give you points for rate, speed, time, level, and state. If you can deliver 5 mailbags before you crash, the game is over.

This is a good fun disk- good graphics and a challenge. I spend hours flying. Something new is always happening. If you are sharp, you will be able to get out of any jam- hot engine, out of fuel, can't find the airport etc. You can get deeply involved in this if you want. Try it - I'm sure you will like it.

CLUB OFFICERS

PRESIDENT: Vince Le Pes....874-1136
VICE PRES: Ed Cox.....397-4107
SECRETARY: Rich Fisher.....235-6484
TREASURER: Bill Morisseau..235-2962
LIBRARIAN: Tom Metzger.....235-1538
EDITOR : Joel Minto.....744-1242
SYSOP : Dale Wentz.....397-2474
M.A.L. : John Sundstrom..397-7235
M.A.L. : Gary Vogel.....235-1837

NEW MEMBERS-

All of us at the Gateway Computer club would like to welcome to the fold the following new members:

Doug Carey
Karl Mueller
Mike Parker
Frederick Shelton
Gilbert Helland

Looking-
over the secretary's desk

By now everyone should have had a chance to look over our Constitution. Please read it very carefully, and if you find any mistakes or perhaps a difference of opinion, bring it to our attention at the meeting. It is necessary for the club to adopt formally a constitution in order to maintain our non-profit status. Soon you will be asked to vote to accept this constitution-read it so you will know what you are voting for.

Enough politics! I am very happy to say we have captured a volunteer to help assemble the Educational Fair....His name is Mike Parker-Please give him any help you can. By the way Mike is a new member as of this month! Maybe, just maybe, that kind of enthusiasm will rub off on some of our older members.

Speaking of older members, our club is one year old this month. This will be the first time I will have the opportunity to collect dues from someone that is an old member rather than a new one. Any member who does not pay during the anniversary month of his enlistment will find his (or her) name printed in this newsletter the next month. (Please pay on time-we need the money and I HATE TO TYPE!!!).

This month's meeting will introduce John Sundstrom and Ed (remember Ed?) Cox as a pair of willing volunteers to help the newcomers (or oldcomers if they wish) kick-start their '64's. They will teach basic "Basic", take on all questions, or direct you to another knowledgeable member of the club that can help you with your special problem. If you have a question or problem, large or small, bring it to their attention at the meeting. Let's help make their discussion group a real discussion group, and if you really want help-bring your computer and you will be shown first hand the answer to your questions.

Do you own a modem but don't know what to do with it? Are you thinking of purchasing one but aren't sure if you could operate it? Well you won't want to miss the Sept Meeting as our very own SYS-OP (Dale Wentz) will demonstrate a bulletin board system and what you can do with your own modem.

That should be enough for this column, besides I have to unplug all this stuff if I'm going to get it to the meeting Wed night. In case you haven't noticed, I bring my computer to the meetings....**DO YOU?**

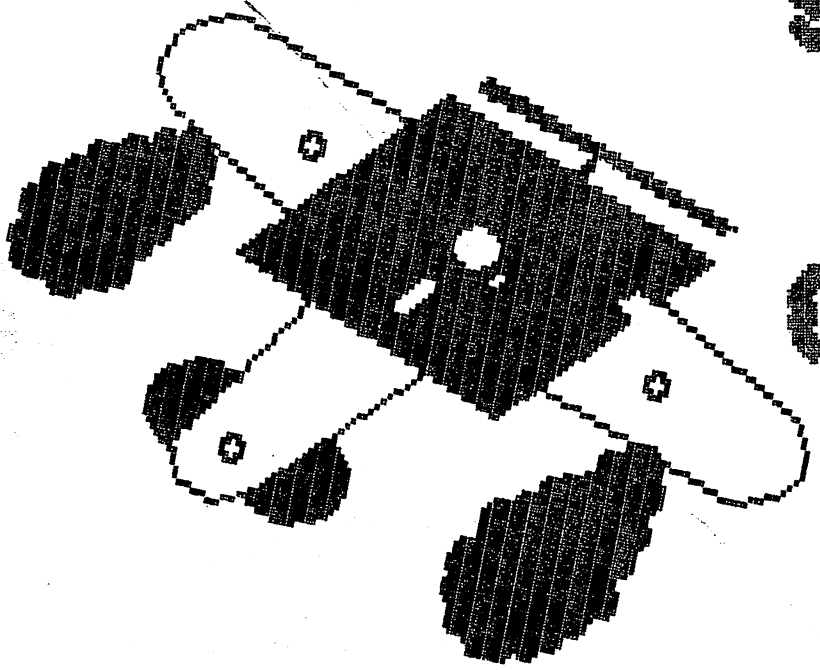
Rich Fisher, Sec'y

The following program was rewritten for the C64 by Gary Vogel. He used Simon's Basic and good old fashioned know-how. All the designs in the newsletter this month were generated using this program.

```
10 print"S"
12 print:print
15 print"choose from the following
graphics:"
18 print" 1 - spiral 1"
19 print" 2 - spiral 2"
20 print" 3 - polygon maker"
21 input" your choice";n
22 if n<1orn>3then21
23 print:print
25 print" black  - 0     red    - 2"
26 print" purple - 4     green  - 5"
27 print" blue   - 6     yellow - 7"
28 print
29 print at(R17,15)"0"
30 print at(R1,15)"";:input"plotting
color";p
32 print at(R35,17)"1"
35 print at(R0,17)" background,
white(1) or black(0)";
37 input g
39 print:print"press 's' to stop
sound."
40 print"press 'n' for a new screen."
41 print"press 'q' to stop design."
42 rempauseR1
60 if n=1then goto 120
70 if n=2then goto 600
80 if n=3then goto 1000
120 print"S"
121 rem any hypocycloid
130 print:print:print
132 print at(R0,2)"previous:"
133 print at(R2,4)bb;:print
at(R2,3)aa;:print"       ";
140 input "outer circle size";aa
145 print at(R2,4)bb;:print"       ";
150 input"inner circle size";bb
160 c1=aa-bb
170 c2=c1/bb
180 def fnx(t)=c1*cos(t)+bb*cos(c2*t)
190 def fny(t)=c1*sin(t)-bb*sin(c2*t)
200 a=0:b=6.28*bb
210 if bb<=aa thenn1=-aa:n2=aa
215 if bb>aathenn1=-aa-2*bb:n2=-n1
220 m1=n1:m2=n2
230 d=(n2-n1)/320:e=(m2-m1)/191
240 hiresR p,g
250 nr=10*(aa+bb)
260 if nr>400 thennr=400
270 rem
280 rem
290 h=int((fnx(a)-n1)/d+.5)

300 v=191-int((fny(a)-m1)/e+.5)
310 lineR h,v,h,v,1
320 s1=(b-a)/nr
325 h0=h:v0=v
330 for t=a+s1 to b steps1
340 x=fnx(t)
350 h=int((x-n1)/d+.5)
360 y=fny(t)
370 v=191-int((y-m1)/e+.5)
380 lineR h0,v0,h,v,1
385 h0=h:v0=v
386 getq$:if q$=""then387
387 if q$<>"q"then390:elseR:goto2000
390 next
395 copyR
400 goto2000
405 if x$<>"n"andx$<>"1"then400
590 rem any epicycloid
600 print"S"
630 print:print:print
635 print at(R0,2)"previous:"
640 print at(R2,4)bb;:print
at(R2,3)aa;:print"       ";
645 input "outer circle size";aa
647 print at(R2,4)bb;:print"       ";
650 input"inner circle size";bb
660 c1=aa+bb
670 c2=c1/bb
680 def fnx(t)=c1*cos(t)-bb*cos(c2*t)
690 def fny(t)=c1*sin(t)-bb*sin(c2*t)
700 a=0:b=6.28*bb
710 n1=-aa-2*bb:n2=-n1
720 m1=n1:m2=n2
730 d=(n2-n1)/300:e=(m2-m1)/191
740 rem
750 nr=25*(aa+bb)
760 ifnr>400thennr=401
770 rem
780 hiresR p,g
790 h=int((fnx(a)-n1)/d+.5)
800 v=191-int((fny(a)-m1)/e+.5)
810 lineR h,v,h,v,1
820 s1=(b-a)/nr
825 h0=h:v0=v
830 for t=a+s1 to b step s1
840 x=fnx(t)
850 h=int((x-n1)/d+.5)
860 y=fny(t)
870 v=191-int((y-m1)/e+.5)
880 lineR h0,v0,h,v,1
885 h0=h:v0=v
886 get q$:ifq$=""then887
887 if q$<>"q"then890:elseR:goto2000
890 next
```

FOR SOFTWARE THAT SOARS COME TO...



SOFTWARE OR SYSTEMS COMPUTER STORE

15% OFF †LIST†

COMMODORE 64	$199.95	CANADA A/M	$39.95
1541 DISK DRIVE	$249.95	DI-SECTOR	$39.95
1702 COLOR MONITOR	$249.95	EDUMATE LIGHT PEN	$50.95
MPS 801 MATRIX PRINTER	$229.95	FLEXIDRAW	$127.46
PROWRITER 8510A	$349.95	ELEPHANT #1	$19.95
PROWRITER 8510S (180 CPS)	$495.00	ELEPHANT #2	$23.95
PROWRITER 8510SC (COLOR)	$595.00	FUJI SSDD	$19.95
GEMINI 10X	$299.00	LINEGUARD (SPIKE SPUR)	$29.95
M.S.D. SINGLE DRIVE	$349.00	BEAR TECH NUMERIC KEYPAD	$59.95
M.S.D. DUAL DRIVE	$549.00	BIB HEAD CLEANER	$9.95
CASETTE DRIVE	$49.95	FLIP'N'FILE 10	$5.95
BUSCARD II	$159.95	MEDIA MATE 50	$15.95
CARD/? +G	$79.95	SUPER STICK	$7.95
DATA 20 (80 COL. BOARD)	$155.00	KRAFT STICK	$9.95
CONNECTION INTERFACE	$89.95	SUPER SKETCH	$50.95
1650 AUTOMODEM	$99.95	KOALA PAD	$79.95
HESMODEM I	$64.95	POWER PAD	$87.50
HESMODEM II	$89.95	SIMON'S BASIC	$24.95
WESTRIDGE MODEM	$99.95	ANATOMY OF 1541	$19.95
1541 EXPRESS	$76.95	ANATOMY OF THE 64	$19.95
KWIK LOAD!	$19.95	2ND BOOK OF THE 64	$12.95
SAKATA MONITOR	$229.95	GORILLA MONITOR (GREEN)	$95.00
GORILLA MONITOR (AMBER)	$100.00	HESKIT 64 TOOL KIT	$42.46

SEE US FOR COMMODORE REPAIRS ** ASK US ABOUT THE EXCHANGE PROGRAM

CALL OUR BBS AFTER HOURS

YOUR COMPUTER HEADQUARTERS

HOURS ** MONDAY-FRIDAY 10AM-7PM ** SATURDAY 9AM-5PM ** CLOSED SUNDAY

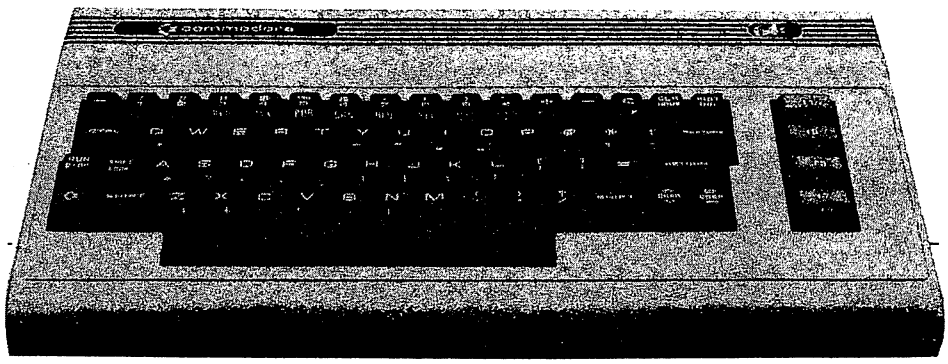
BBS AFTER HOURS!

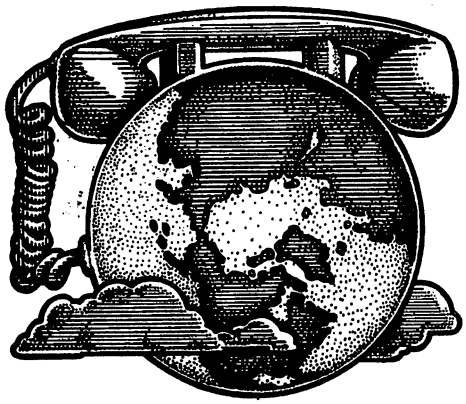
MON-FRI 10AM-7PM
SAT 9AM-5PM
CLOSED--SUN

2503 LEBANON AVE
BELLVILLE, IL
62221
618-235-9710

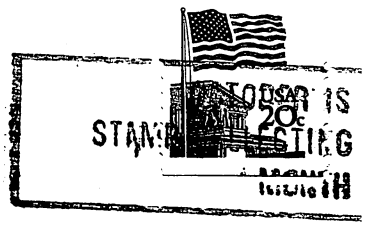
****
SEPTEMBER 1984 VOLUME 1 NUMBER 6
****

GAZETTE





GATEWAY COMPUTER CLUB
PO BOX 207
BELLEVILLE IL. 62222



EDITORs VIEW

Well the summer months have to quickly disappeared and the evenings will soon grow longer and many of us who have soaked up the warm rays will trade in our bathing suits and fishing gear for the old stand by the COMPUTER. That is, if we can wrestle it from our children. It is also time for the "GAZETTE" to get down to some serious article publication.

This month brings us one of our more distinguished members putting to rest some of the fallacies concerning computer usage and the eyes. Dr. Vogel is well qualified in this particular area of expertise. Dr. Vogel also lends to many of us a helping hand in learning about BASIC. He has taken it upon himself to write this monthly column. Thanks Gary we need more dedicated members like you.

It is time that I got on my soap box again and make an earnest plea for material fit to print. (At the rate I'm going I'll even take material not fit to print.)I am constantly amazed at the number of people that promise me articles but when it comes time for publication they are no where to be found. Well this month I have reminded a couple of the board members that they are required to write a report for the GAZETTE. The membership is entitled to know what the financial status is of the club and what the Librarian is doing in the Library. With the position comes responsibility. Responsibility to you as members.

We have come a long way in just a few short months. We have traded a massive copying session into a useful forum for the exchange of ideas. We are shortly going to benefit our community with an educational fair aimed at computer use, and our meetings offer more than a 3 hour free-for-all. The board has been working hard to offer to you the kinds of things that will benefit your own computer use. This month and next are two good examples of this. September is "Telecommunications" month and October is "Computers in Education" month. All this is good but it won't work without your support. We need to see you at the meetings so you can share with us your knowledge of the computer and help us learn and we in turn will be able to help you. I need your support to put out a helpful newsletter. We need you to come out and vote on the Constitution. Don't be a member only in name make your presence known, until next month keep computing.....

ED.

The G.C.C. GAZETTE

EDITOR: Joel Minto

THE GAZETTE is published monthly by the GATEWAY COMPUTER CLUB as a membership service. Please direct all submissions and advertising to 1451A Galaxy Scott AFB, IL, 62225. Camera ready advertising must be received by the tenth of each month to be included in the issue of the following month. Rates are as follows: full page-$30.00, half page-$15.00, Quarter page-$7.50.

Contents of the Gazette may be reprinted by club newsletters and other non-profit publications, if accompanied by the author's name and credit to the GATEWAY COMPUTER CLUB. The GAZETTE must receive a copy of any publication containing reprints. The GAZETTE assumes no liability for errors in articles or advertisements.

THE CLUB

Membership fee is $15.00 per year. Additional family members can join at $3.00 per individual. Members receive access to our programs, literature, BBS. and newsletter. Direct all membership applications and questions to Rich Fisher, P.O. BOX 1831, Fairview Heights, Ill. 62208.

CLUB OFFICERS

PRESIDENT:	Vince Le Pes....	874-1136
VICE PRES:	Ed Cox.....	397-4107
SECRETARY:	Rich Fisher.....	235-6484
TREASURER:	Bill Morisseau..	235-2962
LIBRARIAN:	Dale Castello...	588-4920
EDITOR :	Joel Minto.....	744-1242
SYSOP :	Dale Wentz.....	397-2474
M.A.L. :	John Sundstrom..	397-7235
M.A.L. :	Gary Vogel.....	235-1837

VIEW FROM THE TOP

The topic this month is telecommunications. We will be providing you with some insight into the little known world of modems. At the September meeting there will be an enormous demo to show you what telecommunications is all about, and to give you an idea what a G.C.C. BBS (BULLETIN BOARD SERVICE) can do for you and the club.

Telecommunications is a big word. so big as a matter of fact, that it won't fit on a disk directory. but don't let that fool you. Getting into BBS's is realy quite simple and not mysterious at all. It only takes a modem, a terminal program, a lot of time, and a little money.

The modem is simply a hardware device to allow you to connect your computer to a phone line. The cost can be as little as $60.

The the terminal program is the heart of the system. It acts as a translator to allow you the ability to communicate with other computers of any kind. It can be a simple 6 line basic program to an elaborate machine language program, that will let you save-delete-edit all your communications. Most modems come with some sort of terminal program.

BBB'sing is a slow process. You find that you will spend a lot of time at it, and you will probably do so eagerly. BBS'sing is like going into another demension. There is so much you can do. It is similar to radio DXing. You can send letters, search an encyclopedia, talk on line to other users, check the stock market, play very elaborate games, trade programs with other people, do banking, do your shopping, check weather reports, UPI service, check airline schedules and fares, next day want ads, access U.S. Government publications, and on, and on, and on.
There should also be a word of caution here too. If you are not careful, your phone bill can go thru the roof. But, if you watch your long distance calls, using a modem can be very inexpensive. There are many BBS's in this area. And, most of them are free.

Telecommunications can be a curse or a joy; your choice. It is what you make it. See you on the lines.

VINCE LE PES
G.C.C. PRES.

****
THE VIEW FROM THE BOTTOM
Some notes for
beginners on disk
directories and loading.
****
by
Dr. Gary L. Vogel
235-1837

For those of you who are truly novices, you're probably wandering what a disk directory even is. The directory is much like the table of contents of a book. It tells you what programs and files are contained on the disk. The number in front of the program name tells you how many blocks of storage space has been used to store the program on the disk. A disk begins with 664 blocks free. Each time you save a program on the disk, some of the storage blocks will be used. The number at the bottom tells you how many blocks are still free for storage. The top line is called the header and tells you the disk name and I.D. number. PRG after the name tells you that it is a program and not a file of information after which you would see SEQ or REL.

Pretty neat, right? But where is the disk directory? It resides on track 18 of the disk. But to see it just insert the disk into the drive and type LOAD"$",8. Then type LIST and there it is. If the directory is long, part of the listing may scroll off the top of the screen. To see the upper part, type LIST again and to slow the scroll hold down the CTRL key. If you see a program you want, release the CTRL key and quickly press RUN/STOP.

A directory should look something like the example below:

cont. on pg. 4

Cont. from pg. 3

```
0 "GCC AUGUST 84      "TO
23  "BANNER"          PRG
88  "STARTREK"        PRG
12  "SUPERKEY"        PRG
8   "ALPH DISK"       PRG
11  "VISIBLE 64"      PRG
522 BLOCKS FREE.
```

Maybe this will clear up a little of the mystery of disk directories for you. Try looking at the directories of a few of your own disks. Once you feel comfortable with this move on to Phase 2:

You probably already know that to load a program from a disk you simply type LOAD"program name",8. But if you have a disk with many programs on it such as the club's Disk Of The Month, there is a simpler and sometimes easier way to load programs using the directory itself.

Let's say you've loaded in the above directory and decided to load the Banner program. You could type LOAD"BANNER",8. You could also move the cursor over the '2' and type LOAD then move the cursor past the last quotation mark and type ,8:. The line within the directory would look like this: 'LOAD"BANNER",8: PRG'.Now press RETURN and the program will load. After loading, the cursor will still be blinking within the directory listing. If you type RUN and press RETURN you will get an error message because there was other information still on the line conainting the RUN command. However, if you type RUN: and press RETURN the program will begin as wanted. The ':' separates the command RUN from the other garbage on the screen line. The ':' will also work after a LIST command.

Confused? Don't worry it's alot easier to do than it to explain in this article. Just power up the computer and drive and give it a try.

There are also abbreviations for most BASIC words. For example instead of typing LOAD you could type L shift O (shift means to press the SHIFT key and type O),then"program name",8. LIST can be abbreviated with L shift I. RUN to R shift U. And PRINT can be shortened to a simple ?. (Try this ?2+5 then press RETURN)

And one last little trick for you. If you are loading a BASIC program type LOAD"programname",8: then press SHIFT and RUN/STOP. The program will load and automatically start running after it is loaded. In short you avoid having to type RUN and pressing RETURN. Two points - you have to have the ':' after the 8 and this won't work if the program is in machine language.

```
************************************
*S              F                   *
* P             O                   *
*  A             R                  *
*   C                                *
*    E             T                 *
*                   R                *
*      R             E               *
*       E             A              *
*        S             S             *
*         E             U            *
*          R             R           *
*           V             E          *
*            E             R         *
*             D                      *
*                                    *
*                                    *
*                                    *
************************************
```

REMEMBER TO VOTE

TERMINAL ILLNESS??

by

Dr. Gary L. Vogel

Everytime we pick up the newspaper there seems to be a new government study that has found a link between something we eat or something we use and cancer or cholesterol or someother hideous disease. Life seems to be threatened by meerly wakening up and breathing. And now, of course, several "studies" have tried to find a link between the increased use of video display terminals (VDT) and premature cataracts, face rashes, skin cancer and even problems in pregnancy. Most of these "studies" have been concerned with the long hours involved in the business use of computers, especially by data processers, programmers, and the like. However, many computer hobbyists spend several hours a night starring at their monitors (wandering perhaps why their #!$%& programs won't run). Should we be worried about what these new gadgets are really doing to our health?

Fortunately, I think the answer is no! Most of these "studies" are no more than newspaper accounts of one or two people who developed these problems while using a VDT. The media has managed to magnify these accounts way out of proportion. In fact no scientific study has yet shown a cause and effect relationship between computer use and serious health problems. Studies have shown that the amount of "radiation" emitted by a VDT is no greater than that from a black & white television set. The amount of UV light emitted is actually 1000x less than that found out of doors.

So hack away! The chances of getting cataracts or skin problems from your computer are pretty low.

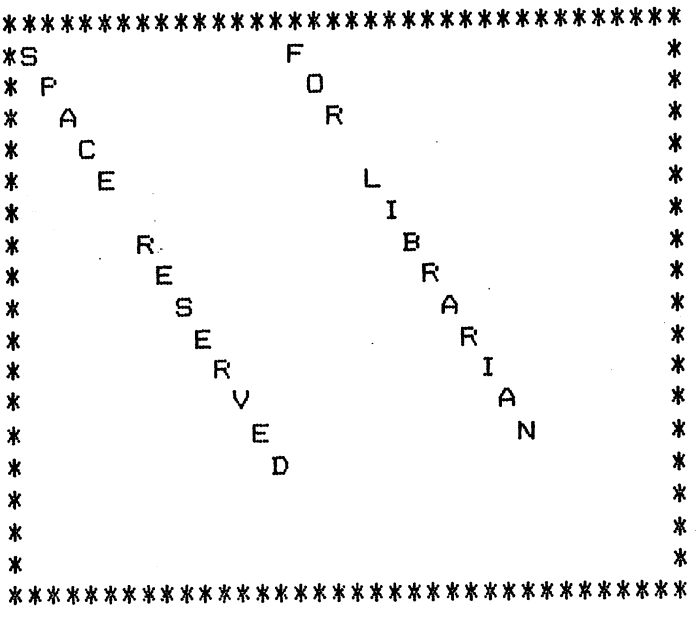
But, and there always has to be a but, long hours of computer use can cause some aches and pains. Reports of eyestrain, pains in the kneck, shoulders and upper arms are quite common among computer users. These complaints are due mainly to the tedious visual concentration and the necessity of maintaining a fixed position which produces tension in certain muscle groups. In next month's issue I will try to cover some of the easiest solutions to the problems of eyestrain and muscle discomfort created by using the simple computer.

NEW MEMBERS—

All of us at the Gateway Computer club would like to welcome to the fold the following new members:

Doug Carey
Karl Mueller
Mike Parker
Frederick Shelton
Gilbert Helland

Note:July New Members (Aug Issue)



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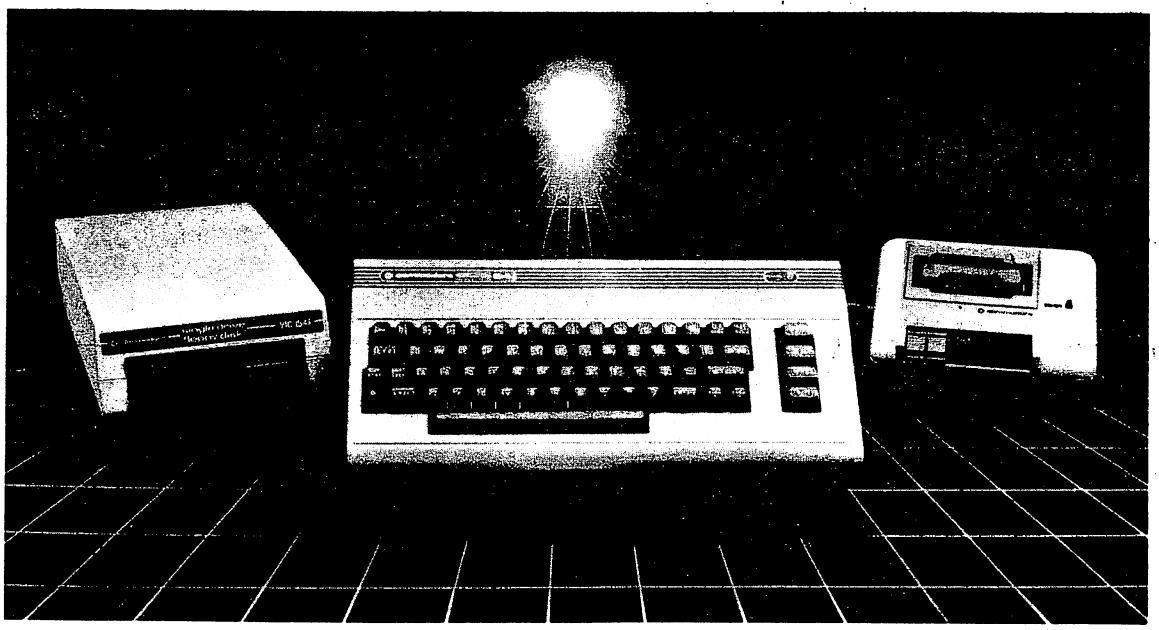
ASK ABOUT OUR SYSTEM PACKAGE

commodore COMPUTER



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MON. - FRI 9 TO 7
SATURDAY 9 TO 5

Looking—
over the secretary's desk

This month the Ground Round was blessed with our executive boards' presence on two different ocassions. The first time only four of us were in attendance-it seems everyone deceided to take a vacation or business trip at the same time. On the second meeting we managed to acquire enough people to make a quorum. There were no earth-shaking decisions made however, but we did acomplish a few things.

First, in September, we are going to vote on the Constitution. When you arrive at the meeting, with your dues paid to date, bring your club card to my area of the meeting room and Dr. Gary Vogel will check it and hand out a name tag to each voting member. The voting will be by secret ballot. Now you are probably wondering why such a big deal over a little thing like our clubs Constitution-well we have to do this very legal-like to become an Official Non-Profit Organization. Please attend and VOTE!

I Think you are going to like this months' Disk-Of-The-Month. It is going to contain a complete listing of all the disks in the Library. It will be in Easy-Script format, and if time and space permits, there will be a short program that will read it, just in case you don't have a copy of Easy-Script in your Library. It should be noted we have Tim LePes to thank for all that programing.

Complaints have been heard through the grapevine about last months crop of Disks. It seems a few of them had errors on them and a couple would not format....Well, don't complain to the guys at the corner tavern about the quality of our disks, bring them back to our Librarian and of course he will replace them at no charge.

If I can figure out my new printer long enough to print them, you new people will find the long awaited membership application forms available at the next meeting. I have been working on them and I am almost ready to hit the "P" key and see how they look.

Some of you will be reading this from your friends copy and wondering why yours didn't arive on time....Check your membership card-if it's more than one month past due your name has been removed from our mailing list. If you cannot attend the meetings and want to pay your dues send $15 to me at PO BOX 207 / Belleville, IL 62222. Also you can send us change of addresses, articles for the newsletter (either typed, written, or in Easy Script format on a disk with your name on it and it will be returned).

Don't forget, this month a Bulletin Board demo and a talk by a representative of Comp-U-Serve. WOW! Don't miss this meeting if you have (or plan to buy) a modem.

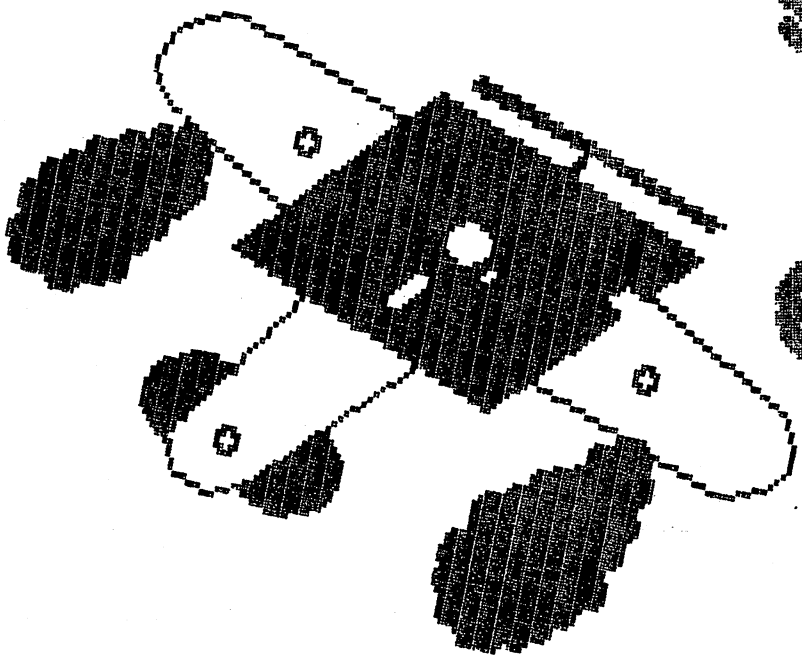
Next month is Education month and we are rounding up a guest speaker for that meeting also. In case you have forgotten, our own Fair is comming up and volunteers are needed!

Well, I'm out of space and out of time....I have to get this to our editor in time to get it published-See Ya at the meeting (Bring your favorite disks and computer-maybe we can swap something who knows!)

Rich Fisher,Sec'y

```
**********************************
*DUES DUE FROM AUGUST            *
*Collins, Richard L.             *
*Finnegan, Patrick H.            *
*Law, Randy                      *
*Metzger, Tom                    *
*Stibor, Dick                    *
*Taphorn, Mike                   *
*Taylor, Ron                     *
*                                *
*                                *
*DUES DUE THIS MONTH             *
*Castello, Dale A                *
*Maier, W.C.                     *
*Trimble, Dave                   *
*                                *
*                                *
*Remember no dues no club benefits.*
**********************************
```

FOR SOFTWARE THAT SOARS COME TO...



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GORILLA GR. SCREEN	89.95
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1702 COLOR MONITOR	258.95
SAKATA COLOR MONITOR	239.95
* * * * * * * * * * * *	
GORILLA BANANA	100.00
MPS 801	219.00
1526 PRINTER	279.00
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GEMINI 10X	299.00
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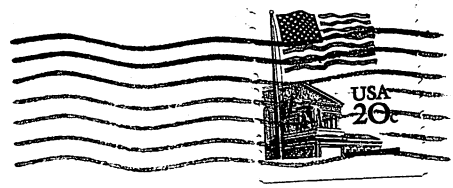
OCTOBER 1984 VOLUME 1 NUMBER 7
****

GAZETTE



GATEWAY COMPUTER CLUB
PO BOX 207
BELLEVILLE IL. 62222

The G.C.C. GAZETTE

EDITOR: Joel Minto

THE GAZETTE is published monthly by the GATEWAY COMPUTER CLUB as a membership service. Please direct all submissions and advertising to 1451A Galaxy Scott AFB, IL, 62225. Camera ready advertising must be received by the tenth of each month to be included in the issue of the following month. Rates are as follows: full page-$30.00, half page-$15.00, Quarter page-$7.50.

Contents of the Gazette may be reprinted by club newsletters and other non-profit publications, if accompanied by the author's name and credit to the GATEWAY COMPUTER CLUB. The GAZETTE must receive a copy of any publication containing reprints. The GAZETTE assumes no liability for errors in articles or advertisements.

THE CLUB

Membership fee is $15.00. Members receive access to our programs, literature, BBS. and newsletter. Direct all membership applications and questions to Rich Fisher, P.O. BOX 207, Belleville Ill., 62222.

CLUB OFFICERS

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SYSOP : Dale Wentz.....397-2474
M.A.L. : John Sundstrom..397-7235
M.A.L. : Gary Vogel.....235-1837

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* *
* COMING EVENTS: *
* *
* COMPUTER FAIR, ST CLAIRE SQUARE, *
* 27&28 OCTOBER *
* *
* General Meeting, 21 November, 7:00 *
* *
* Executive Board Meeting, *
* 28 November, 7:30 (Ground Round) *
* *
****

COME TO THE FAIR

Saturday and Sunday, October 27 and 28, the Gateway Computer Club will hold its second annual educational computer fair. It will be at ST Clair Square, lower level, by J.C.Penny. Hours will be Saturday from 10AM to 9PM, and Sunday from 11AM to 6PM. The days have been broken down into 3 and 4 hour segments so no demonstrator will have to be there too long. We hope to have on hand 4 demonstrators at all times. We are calling this an educational fair for several reasons. We want to demonstrate to parents how having a computer in the home can be an advantage for their children. Some parents may hesitate to get into computers simply because they lack confidence. We want to demonstrate to parents that they can have educational software up and running in just a couple of hours- and have the children involved and absorbed in no time. We also want to show adults how a computer in the home can be used for checkbook management, budget, auto maintenance,telephone and address lists etc. We also hope to foster an interest in the Gateway Computer Club and show people the advantages of being involved in a computer club. So- if you have any time this weekend, bring your computer and come on out to the fair.

Earl Salmons

++
+ +
+ ✓ NEWSFLASH +
+ +
+ The repeater autopatch controller +
+ using a VIC-20 as seen at the +
+ club meeting several months ago is +
+ now up and operating. If you are a +
+ HAM, listen on 147.12MHZ. Let me +
+ know if you would like to see it +
+ operate or would like to examine +
+ the software. +
+ +
+ John Sundstrom +
+ WAOLIS +
+ +
++

FROM THE TOP

The theme for this month is COMPUTERS IN EDUCATION. I wonder what that means to most people. To some it may mean a compuiter for every desk. To others, it may mean a computer or robot as a teacher. And to some it may simply mean a course in computers. If you are a teacher, student, or parent, you may have very different views. Whatever your perception of computers in education is, one fact seems very clear. Computers will have a large impact on the way things are done in the future.

Because of the importance of computers in the lives of our children, it seems even more important that we all pay more attention to how computers are used in the schools today! Do we want our children to become computer techs or do we simply want them to learn how to use computers in everyday life? The schools have gone in many directions. Some schools have no computers, others do not have enough, while others have too many with no one to direct their use. There are no standards to follow and the school situation seems very confussed.

The students very eagerly want computers and computer education. It has always appeared that young people and high tech go together. Their minds are open to new ideas. They readily accept the new technology laid out before them.

Teachers, who were once deathly afraid of computers, are still learning what computers are and how to use them. Teachers are now on the fore-front of a new frontier in education. They are learning as they go, cutting new paths because no guidelines exits. They are in need of assistance to determine what aproach is bestt for our children.

And then there are the parents. This group is probably the least informed, least organized, and least concerned of all. The major problem has been that most parents have no idea what a computer is, much less what it does or how to put it to use. The parents are not at fault, it is just that they have not been exposed to all this new technology. They do not know what is in a computer, how it works, or how to put them to use. It is this lack of knowledge that has led to their confusion and lack of concern. It is not that they do not care, but that they have no idea of what to do about it.

In order for computers in education to work, I think we must first educate our parents and teacher, set down some guidelines as to what it is we want our children to learn about and from computers, and to become involved in how computers are used in the schools. Not all students need to learn programming or how to repair a computer, but, just to become familiar with how to 'use' a computer. At the grade school level, learning to program is not necsary. At this age they only need the computer as a learning aid for the teacher. In high school, the needs will be greater. Then will be the time for more specialized uses, such as wordprocessing and basic programing.

As the world becomes more saturated with computers, it seems very evident that our children must learn how to handle computers. But it does not mean that they need to learn how to program or repair them, anymore than it does to learn how to drive. You can easily get a drivers license without knowing the first thing about what goes on 'under the hood'. We should allow the students to determine how deeply they wish to go into computers. Our obligation is only to give them the opertunity to try.

NEW MEMBERS—

All of us at the Gateway Computer club would like to welcome to the fold the following new members:

Eugene Blink Jr.

Lee R. Parrish

Ruth M. Shaw

Jeffrey Stumpf

Looking—
over the secretary's desk

HOORAY!!! The constution was voted on at the last meeting and adopted by a 33 to 3 margin. So much for political hoopla...I believe you will get enough politics from the one eyed monster in your living rooms this month so I won't dwell on any more in my column. Thanks to Earl Salmons it looks like the Educational Fair will be on schedule this month (October) on the 27th (from 10AM to 9PM) and on the 28th (from 11AM to 5PM). Earl will set up in front of the J.C. Penney store in St. Clair Square. It is my understanding there will be 6 tables, and a lot of room for volunteers....so, what do you say-why not bring your computer, a couple of simple games or educational programs, your charming personality, and come on down to the Fair! Don't worry if your library doesn't contain anything pertaining to education, the clubs library will be on hand and there are plenty of programs in there. If you can help, even for a couple of hours, why not give Earl a call at 397-5029 so he will have some idea of who can work and when they can work.

We are still getting the whole library catalogued and when completed I think most of you would be surprised if you took a look at just what we have. For those of you interested in something besides just game-playing with the 64, soon we will have the entire Commodore Educational C-4 set of disks available for copying at the meetings (sorry-members only). I bleieve there is over 50 disks in just that set....WOW!...That is a lot of programs-free, just for the copying.

Speaking of members only, we lost several do to non-payment of dues. I really hate to see them go and if anyone out there knows a past member that just can't get to the meetings, they can mail their dues to P.O.Box 207, Belleville, Il 62222 and I will put them back on the mailing list.

I would also welcome any sugestions, comments, or articles for the newsletter at that address....Well if I don't quit typing I won't have time to correct the spelling, so I'll say 'bye for now-and see ya at the meeting.

Rich Fisher, Sec'y

Dues Due—
The following members dues were due in Spetember:

Dale A. Castello

W.C.Maier

The following members dues are due in October:

John Boeren

Elizabeth Carter

Bob Suarez

FOOD FOR THOUGHT

This is the story about four people named Everybody, Somebody, Anybody, and Nobody. There was an important job to be done and Everybody was asked to do it. Everybody was sure that Somebody would do it. Somebody got angry about that because it was Everybody's job. Everybody thought that Anybody could do it, and Nobody realized that Everybody wouldn't do it, and it ended up that Everybody blamed Somebody, for something that Anybody could have done but Nobody did.

And so it goes with Computer Clubs. It is after all Everbody's club. But it seems as if Nobody wants to write articles for Everybody's newsletter. After all, Anybody could write an article. It doesn't have to be very long. I just hope Somebody writes something soon or else Nobody's going to have a Newsletter.

Gary L. Vogel

EDITORS VIEW

This month is an exciting month for the club. Not only have we decided to expand the newsletter but for the first time I may have more articles than I can use. A special thanks this month goes to Dr. Gary Vogel. Through his tireless efforts in hounding all of you for articles and his own pen which runneth over we may have our first true newsworthy newsletter. The cover this month is a mirror image projection of one of the drawings taken off the "DOODLE" program disk. I used it to show those who would be at the computer fair just what could be done in the art world with the Commodore. Which reminds me, don't forget **OUR** fair on the 27th and 28th. If you can't help the very least you can do is come out and help.

We have begun a very exciting program in the newsletter. We have been in contact with other newsletter editors and have worked out an exchange program. This will benefit both you and me. At the present time we have about 5 editors willing to exchange newsletters. this will give me a cadre of articles and also give you some insights from the other clubs. So if you want to get known in other clubs all you have to do is write for me and at least 5 other clubs may find your ideas or article relevant for their newsletter. I hope to have about 10-15 clubs from around the country participate in this program.

FIX FIX FIX

No this isn't a loyal Cardinals fan yelling at the home team. Every once and awhile ole ED. doesn't proof things the way he oughta. In the July issue of the Gazette we printed a small utility routine to keep your disk drive head from bumping about 92% of the time. Well line #20 was wrong, it should have been.

```
PRINT#15,"m-w";CHR$(106)CHR$(0)CHR$
(1)CHR$(133)
```

REMEMBER make sure you use this in program form and not in the direct mode, unless you want hours of aggravation trying to figure out where your program went.

ED.

EDUCATION SOFTWARE
Do You Know What To Look For?
by
Dr. Gary Vogel

If you're interested in educating your child or yourself, there is probably a software program avaible to help you. I have seen programs that help children learn math facts, drill long division, practice vocabulary, learn greography, drill foreign langauges, and even help explain calculus or trigonometry. Several excellent programs are even available to simulate taking the high school S.A.T. examinations. Quite honestly if you want to learn something about anything and you want your computer to help, there's probably a program written that you'd like. My wife is taking a course in Organic chemistry. I found a public domain program in our club library that is an extensive drill on organic nomenclature. The program displays a 3 dimensional molecular structure and the user must correctly name it. And the best part - since it was a public domain program it was free.

Although many public domain educational programs exist and they are essentially free, many of the best programs are going to be only commercially available. Unfortunately, just because a program is marketed in a pretty box and has a high price tag doesn't mean it will do what you think it will do. So here are some pointers on how to evaluate the software before you lay out the BIG dollars.

1. If possible try the software out in the store before you buy it. Most software dealers should be willing to let you do this. If your buying the program for your child, take them with you. After all they will be using the program.(If they can get Dad away from the computer!)

2. Talk to friends or members of computer clubs to see if anyone else has used the program you want. Check the computer magazines for reviews. I must admit though that I have seen very few programs given a bad review in the magazines.

3. Don't be misled by fancy packaging or slick advertising. You can't load and play the package on a computer.

In particular, when buying software for children you might want to keep these things in mind:

4. What specific topic do you wish your child to study? Try to have a specific goal in mind that you want the program to accomplish for your child. Before you buy it, determine if you think the program will accomplish this goal.

5. Is the program appropriate for the age level of your child?

6. Look at the program's documentation or directions. How long are they? How much studying will you have to do before you can make the program run? Are the directions easy to understand? If need be, could your child read and understand the instructions?

7. Is the program easy to load?

8. Does the program use upper and lower case letters? I think this important for most grade school children since they live in a world of upper and lower case letters.

9. Does the program take advantage of the excellent sound and graphic capabilites of the Commodore 64?

10. Are problems presented in a traditional way that the child will recognize?

11. Does the program 'crash' easily? If the child enters a letter when the computer wants a number, does the program stop and then have to be reloaded? What if the child presses the wrong key? On a good program it won't matter. On a poorly written program, it will crash forcing you to reload the program.

12. Does the program come with a backup copy or can you buy one from the company at a reasonable price ($5.00 or less)? Puppy dogs just love to eat $40 programs.

13. Does the program evaluate the child's performance? Does it give the number of correct and incorrect answers for example?

14 If the child enters an incorrect answer, does the program allow him to correct the mistake? There is nothing more frustrating to a child than to type in the answer, realize it is wrong, and not be able to correct it.

15. How good has the companies previous products been? Have they written other good software?

I hope this gives you some food for thought. The two best suggestions I can give you are: Don't buy a program just because it comes in a pretty package and try it out in the store before you buy it!

EASY SCRIPT TIP
by
GARY L. VOGEL

Easy Script is probably one of the best word processing programs around for the C-64. It is well documented and easy to understand. But there is one little tidbit you won't find in the manual. Press F1 for command mode, then hold done the CTRL key and press '3'. Do you believe what you heard?? I for one was impressed!

****
FOR BEGINNERS ONLY

Color & The Commodore

by

Dr. Gary Vogel

****

I'm sure that by now you've been duly impressed with the graphics and colors of some of the commercial software. You have probably wandered how to get this machine to do something similar. Programming sophisticated graphics is pretty technical stuff but I think in this column we can at least get started with the basics.

We'll try to cover three areas, changing the background, the border, and the character color. Changing the first two are quite simple. The C-64 has 16 different color possibilites. These are assigned numbers from 0 to 15. (See pp 61 of the C-64 USERS GUIDE which came with the computer.) To change the background color enter this: POKE53281,n (then press RETURN) and to change the border color enter this: POKE53280,n. N is a number between 0 and 15. Try a few and you'll see how simple it is.

Now if you've never written a program before, here comes your big chance. Enter this as it appears below:

```
10 For N=0to15
20 Poke 53281,N
30 For Y=1to200:Next Y
40 Next N
```

Then type RUN and press RETURN. This BASIC program allows you to see the different background colors. Line 30 simply makes the computer count from 1 to 200. This gives you some time to see the different colors. Eliminate Line 30 and see what happens. Now can you figure out how to change the program so that the border colors are displayed? How about changing it so that both the background and the border colors change at the same time?

Well onto things a bit more complicated. To change the color of the characters, hold done the CTRL key and press a number from 1 to 8. The new character color is written on the number key. That gives 8 different colors. So where are the rest? To access the remaining eigth colors hold done the Commodore key (the key with the weird symbol on the lower left) and press a number from 1 to 8.

If you fool around with this a bit you may find that your cursor suddenly disappears and no characters are appearing on the screen as you press the keys. No, you didn't break your new toy. What you did was make the cursor color equal to the background color. Blue on blue doesn't show up too well. To correct it Poke in a new background color (don't worry if you can't see it when you type it) or use the CTRL key to change the character color.

One more thing to try. Hold done the CTRL key and press 9. This gives you RVS ON which stands for 'reverse on.' Now type a few letters or press the space bar a few times. To get out of this press CTRL and key 0 for RVS OFF.

Try poking in a few background and border color changes. Now if you want to get back to the original screen colors quickly, just press RESTORE. If that doesn't work press RUN/STOP and RESTORE.

Well you won't create the Mona Lisa on your screen with what you've learned, but at least you can change the screen and character color whenever you want.

****
TERMINAL ILLNESS
part 2
by
Dr. Gary L. Vogel
****

In part 1 of this article, I tried to dispel the myths about video display terminals emitting harmful radiation that did weird things to our bodies. I did, however, elude to some real problems that extended computer use can create such as neck, shoulder, and eye strain. This article will try to give you some pointers on how to relieve some of the symptoms of Terminal Illness.

Some of the common visual complaints experienced by computer users include headache, blurred near and distance vision, burning eyes, eyestrain and eyefatigue, flickering sesnsations, and even double vision at times. Neck, shoulder, and back discomfort are also common and result from maintaining a fixed posture for long periods of time.

If you find yourself experiencing some of these symptoms try the following:

1. Use a comfortable, adjustable chair. The center of the monitor should be about 20 degrees below the viewer's straight ahead seeing position. The screen should be 15 to 20 inches away from the user's eyes and should be parallel with the plane of the face. Choose a chair that provides good back support.

2. Reference material that you are typing from (such as a program from a computer magazine) should be as close to the monitor screen as possible. The screen and reference material should be equal distance from the eyes. This arrangement will avoid having to frequently change the focusing level of the eyes. Improper placement of reference material is a commom cause of eyestrain and eyefatigue while using a computer.

3. Lighting and glare control can also make a big difference. Although lighting needs vary with individuals, the screen brightness should be 3 to 4 times brighter than general room lighting.

4. The characters on the screen should be 10x brighter than the background. If you prefer dark characters, choose black as the character color. However, bright characters on a dark background tend to create less eyestrain. The C-64 makes this easy since you can choose any combination of screen and character color that is most comfortable for your vision. My preference - white letters on a black background.

5. Try to minimize reflected glare on the monitor from windows, doors and lighing. Do not sit facing an unshaded window or bright light source.

6. Take frequent breaks to give the eyes and muscles a rest. If you will be using the computer for a long period, plan to take a 10 or 15 minute scheduled break every hour. Remember, a five hour session of Zork can be just as taxing as a five hour session of programing.

7. If you are using a TV as a monitor, an investment in a good quality computer monitor may help. Since monitors have a higher resolution screen, characters are better defined and more sharp. On a monitor, letters don't have blurred edges.

If you have symptoms of eye or muscle strain after using your computer, try some of the above suggestions. They can make a big difference. If your problems continue, seek the proper professional care. There are a lot of cures available for Terminal Illness!

****
NEW SUPERFAST 1541 DISK DRIVE?

by

Lee Parrish

****

How would you like to own a new 1541 disk drive that is 2 or even 3 times faster than your old one?? Well with the new hardware add on units offered both by Richvale Telecommunications Company and Skyles Electric Works such a thing is possible.

The unit marketed by Richvale Telecommunications is called the 1541 Express which comes as a cartridge with two wires coming out of the side of it. It is easy to install, just open the computer and clip the two wires onto the chips pointed out in the instructions and then plug in the cartidge. From then on the speed of the disk drive will be increased on power up of the computer by about twice times it's normal speed. Most programs that dont's bypass the kernal load routine will load and run at the new speed with no problems. And if a particular program doesn't want to load or run at the new speed just tap the control and F3 key and the computer will be put back into the slow mode. The advantages of the doubled speed are easy to see but there are a few disadvantages to consider. Since the unit is a cartridge and it uses the cartridge expansion port, cartridge based programs that use the disk drive can cause a conflict of space. Also this particular unit can not be in the fast mode with a printer attached and turned on, so if you want to print you must put the unit in the slow mode before turning on the printer or the unit will lock up the machine.

The unit which is produced by Skyles Electric Works is called the 1541 Flash and is a different design than the 1541 Express. This unit consists of a expander board for the user port, 2 new rom chips (one for computer, one for disk drive), and a cable to go from the expander board supplied to the disk drive. The installation consists of replacing the old kernal rom of the computer with a new one that also has a socket for the old one that was removed. This allows the unit to be switched back to the original rom in case of problems running programs on the new one. The installation if you own a computer with a socketed rom chip is within the reach of the average user if the well written manual is closely followed. If you have a soldered rom in your computer the chip must be desoldered and a socket put back in it's place. For the average user without the proper tools and knowledge you should probably see your dealer for assistance in the installation on a soldered chip computer.

After installation this unit will speed up the loading of programs from the disk drive about 3 times faster than the normal speed. This can be switched off with a hardware switch or software pokes if problems occur with some programs. This unit also offers more than just a speed advantage for it also includes a built in disk wedge program much like the wedge supplied by Commodore. This is enabled with a single poke statement from basic and is permanently in the new rom of the computer. Also include are 11 new screen editing commands that makes screen editing much simpler and quicker. This unit can drive a printer while in the fast mode in contrast to the 1541 Express. The manual also includes a section on how to use the expanded kernal routines and commands for the experienced programmer.

With either unit for the list price of 89.95 you can expect to see dramatic increases in speed of the load functions of the disk drive, for example with the 1541 Flash, a Infocom adventure loads in around 40 seconds and will play much faster as the game is very disk dependant for data. This is the type program where the speed really comes in handy. Also the 1541 Flash is compatable with the CP/M module by Commodore and will speed the boot time to around 5 seconds. In conclusion having owned both units I would have to say the 1541 Flash is my personal favorite, while taking a little more effort to install, the extra speed, built in wedge and screen editing commands make it my choice for a good alternative compared to a parrallel drive and interface.

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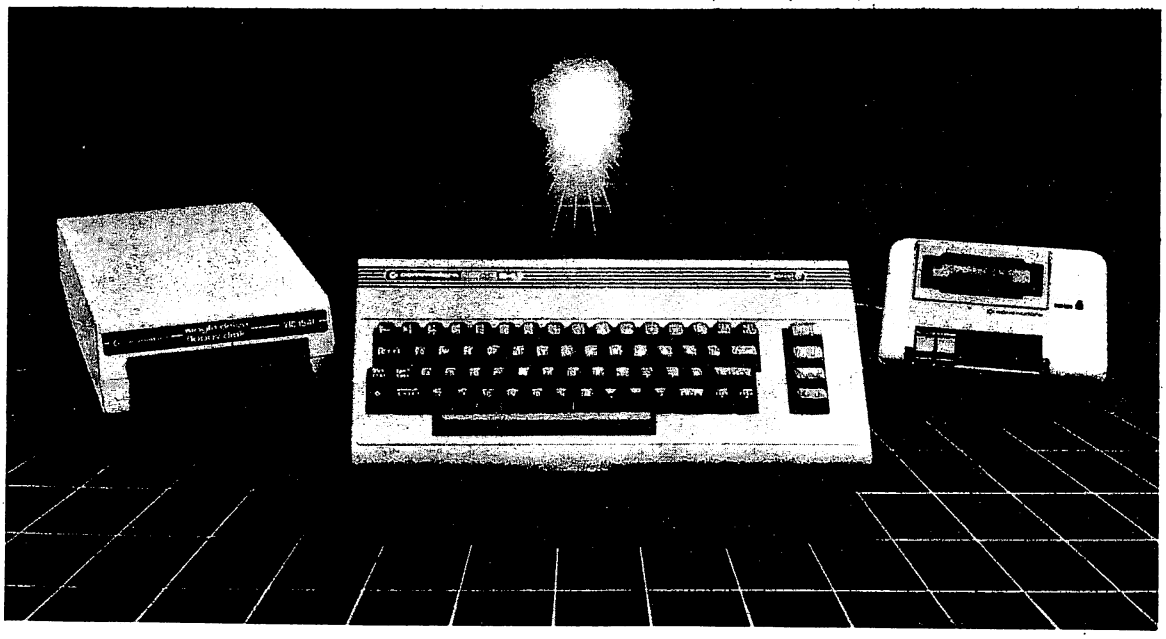

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Commanding
your Disk Drive
by Tom Metzger

If anything is more difficult than learning to use a new computer, it is learning to use the disk drive. The first time I wanted to save something, it seemed to take hours for me to learn to format a disk. If you have yet to learn about your 1541, read on.

To send a command to your drive, you must tell your computer that the command is to go to the drive. This is usually done by the following three commands:

```
OPEN 15,8,15
PRINT #15,"COMMAND"
CLOSE 15
```

The word "command" in the second line will change according to the function the drive is to perform.

FORMATTING
NEWING
HEADERING

The fact that this paragraph has threeheadings indicates the sourte of my original problem...I wanted to format a disk, but the manual would only tell me how to "new" one. This command tells the drive to do the disk equivalent of drawing writing lines on a blank sheet of paper. It also tells the drive the name (up to 16 letters and numbers) you want on the disk, and the (optional) two-character ID code that appears on the "header" of the directory.

```
COMMAND=NO:diskname,ID
```

For example, assume you had a several music synthesizer programs you wanted to put together, and you wanted to put them on a disk called "synthesizer". Assume also that you sort all disks by program type, and this disk will have the ID of M1, meaning your first music disk. You would simply insert a disk and type the following:

```
OPEN15,8,15
PRINT #15, "NO:SYNTHESIZER,M1"
CLOSE15
```

NOTE THAT THIS COMMAND WILL ERASE ANYTHING THAT MAY BE ON THE DISK. Before using it, always check the directory to see that there is nothing valuable on the disk.

COPY

This very useful command allows you to duplicate a file (program) on the same disk, provided the duplicate has a different name.

```
COMMAND=CO:NEWFILENAME=OLDFILENAME
```

The name needn't be very different--only one character need be changed. For example, your synthesizer disk has a program called FUGUE that you run frequently, and you want a backup copy (to be called FUGUE2) on the disk in case you wear out the original. The second line above could be...print#15,"c0:fugue2=fugue"

RENAMING

Change your mind about the name you gave that last program? Did your fingers slip while typing that last command, leaving you with a file called "fuggue"? Then take heart; this one's for you

```
COMMAND=RO:NEWNAME=OLDNAME
```

SCRATCH

Three months later you are browsing thru the directories of your music disks and find you have seventeen copies of "fugue" on six disks (fugues multiply like empty coathangers). To eliminate the unwanted extras, simply use

```
COMMAND=SO:FILENAME
```

Well, 1541 fans, that's about it for the disk drive commands, except for the load and save commands; these were covered in our November 1984 issue. We can repeat them, discuss the "wedge" commands (easier ways to do all of the above), or move on to another topic. Let us know your preferences.

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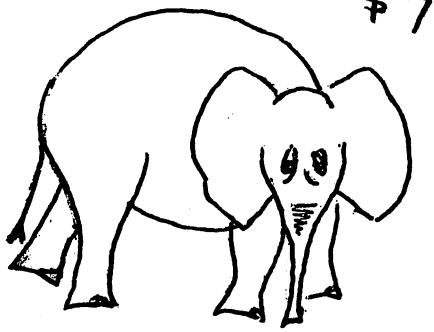

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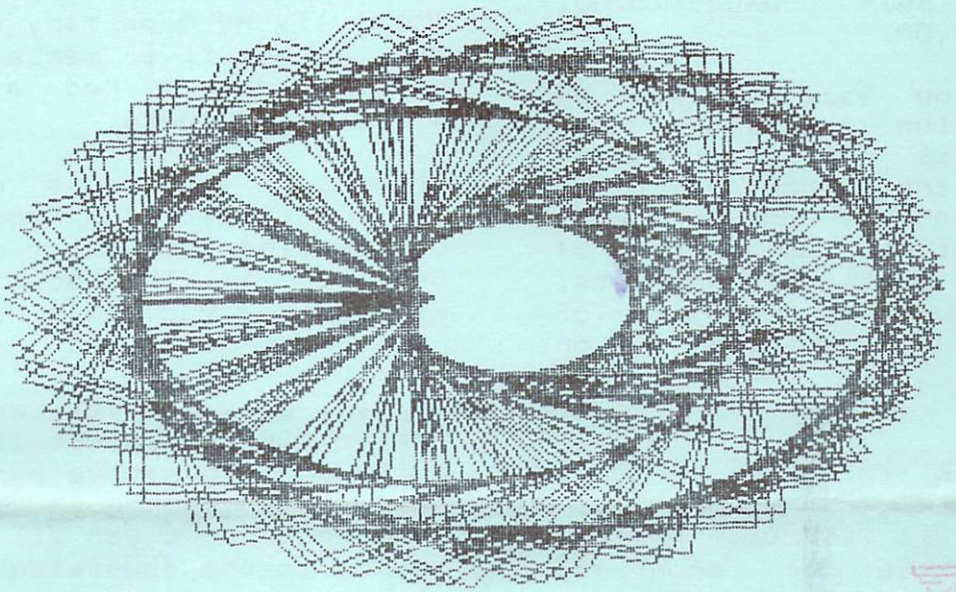
GAZETTE



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The G.C.C. GAZETTE

EDITOR: Joel Minto

THE GAZETTE is published monthly by the GATEWAY COMPUTER CLUB as a membership service. Please direct all submissions and advertising to 1451A Galaxy Scott AFB, IL, 62225. Camera ready advertising must be received by the tenth of each month to be included in the issue of the following month. Rates are as follows: full page-$30.00, half page-$15.00, Quarter page-$7.50.

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THE CLUB

Membership fee is $15.00. Members receive access to our programs, literature, BBS. and newsletter. Direct all membership applications and questions to Rich Fisher, P.O. BOX 207, Belleville Ill., 62222.

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M.A.L. : Gary Vogel.....235-1837

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**********************************
*   UPCOMING EVENTS              *
*                                *
*   CLUB MEETING 21 Nov @ 7:00   *
*                                *
*   Executive Board Mtg 28 Nov   *
*   @ 7:30 (Ground Round)         *
*                                *
**********************************
```

EDITOR's VIEW

Well once again your friendly editor is journeying all over the world for ole Uncle Sam. At the time you will be reading this I should be in Germany. Thanks again goes to Dr. Vogel for his continued help during my absence. The club could use many more members like him.

The computer fair was a success. Thanks Earl for a job well done. Hopefully we made many new contacts and perspective members for the club. I know I had a good time while I was there.

This month's theme is data bases, and our illustrious Secretary will be putting on a demo about Superbase 64. The upcoming meeting will be one you won't want to miss.

As many of you have been noticing the newsletter is really becoming quite an informative paper. I have been very happy with the quality and the support you all have been giving to the newsletter. Don't let it stop though, were just getting started and who knows what I may be able to pick up in Germany.

It is time to begin thinking about the upcoming elections for club officers. If you think you have the talent and the guts to take on the job by all means step forward and give your name to the nominating committee. More will be said about this at a later date.

Well the rest of the newsletter is just waiting for you so "Auf Wiederseine" until next month.

ED.

****
PEEKING AND POKING
by
Dr. Gary L. Vogel
****

Below is a collection of POKE values that I have found to be useful in various applications for the C-64.

SYS 64738
Resets computer back to the start of Basic without turning the computer off and on. This SYS command can save some wear and tear on the on/off switch.

POKE 53280,n
n=0 to 15; Changes the border color of the screen.

POKE 53281,n
n=0 to 15; Changes the screen background color.

POKE 53272,21
Switches to Uppercase/Graphics characters.

POKE 53272,23
Switches to Lowercase/Uppercase characters.

POKE 198,0
Clears keyboard buffer.

POKE 649,0
Disables the keyboard.

POKE 649,10
Enables the keyboard.

POKE 649,10:POKE 808,237
Restores the keyboard.

POKE 788,52:POKE 808,239
Disables the Stop key.

POKE 788,49:POKE 808,237
Enables the Stop key

POKE 808,225 or POKE 808,234
Disables Stop, Restore, and List. Good to use if you want to prevent someone from Listing your program.

POKE 808,237
Enables Stop, Restore, and List.

POKE 793,203
Disable the Restore key

POKE 819,245:POKE 818,32
Disables the SAVE command.

POKE 819:POKE 818,237
Enables the SAVE command

POKE 775,200
Disables the LIST command

POKE 775,167
Enables the LIST command

POKE 650,128
Makes all keys repeat when held down.

POKE 650,127
Disables repeat function of all keys includind the space bar and cursor keys.

POKE 650,0
Returns repeat functions to normal, i.e. space bar, cursor keys, inst/del key will repeat when held down.

This should keep you busy for awhile Poking around in your 64. Remember, you can use a Poke statement from within a program or enter it in the direct mode from the screen - just type in the appropriate Poke and press RETURN.

If you are hording any good Pokes or Peeks that could be useful to rest of us, jot them down and give them to Joel Minto or myself. We'd sure like to publish them in our newsletter.

****

A special thanks to Earl Salmons for a job well done at the Computer Fair. Our club needs more members like Earl who willing to get involved and share their time and ability. Thanks again Earl!

****

****
AGENDA FOR FUTURE MEETINGS

NOVEMBER 1984

A sysop from CompuServe will speak about what Compuserve has avialable for the home computer user.
If time permits we will also a have a general discussion on home data bases and their numerous applications.

DECEMBER 1984

How about a Xmas party?? Everyone should bring a small sample of their Xmas cookies. The club will furnish liquid refreshments of the punch variety.
Our topic for discussion will be Art and Computers. We will have some demos of software that can produce drawings and graphics. We hope to compare some of the pros and cons of these programs. Please, bring some samples of what you've accomplished on your computer drawing board.

Christmas music will be provided by none other than the Commodores.

And don't forget we will have the big art contest at this meeting.

JANUARY 1985

Word processing will be the topic. The election of new officers will also be held.

FEBRUARY 1985

The topic will be tax programs. We hope to have a guest speaker for this meeting who has some experience in using and evaluating good tax software.

****

DISK TIP: When buying disks, look at the exposed part of the disk around the center hole. Quality disks have a clear or colored reinforcement ring in this area to protect them from wear caused by the disk drive. Disks without this protective ring may not last as long.

****
THE WEDGE

BY

Dr. Gary L. Vogel
****

No, it's not a new football strategy engineered by Jim Hannifan to save further embarassment to the football Cardinals.
It is, ho a disk drive support program to reduce the number of keystrokes needed to send routine commands to the disk drive. And if you own a 1541 drive you should also own a copy of the "WEDGE" since it comes on the TEST/DEMO disk with the drive.

As a novice, Iice, I found the WEDGE very confusing! First I couldn't even get it to load. Then I couldn't even copy it from one disk to another. Fortunately, my friendly computer store owner explained it all to me and now the WEDGE and I are on good terms.

To begin,E is actually a two part program. "C-64 WEDGE" is a BASIC language program that loads the Machine Language WEDGE called "DOS 5.1". So insert your TEST/DEMO disk into the drive, load the program called "C-64 WEDGE", then type RUN and press RETURN, and thend the actual WEDGE program will be loaded. That's all there is to it. Once in memory, it will stay there until you turn off the computer.

Why is the WEDGE so useful? To load a BASIC program you must type LOAD"program name",8. To load a program with the type /program name. It's a real timesaver, especially if you are planning on loading several programs in a session.

Below is a list of the WEDGE commands. You might want to save this list because it is harder

RESET SWITCH
by Don Woodward

What do you do when the computer locks-up while you are using it? Everyone knows the answer to that question, you simply turn off the computer and then turn it back on. What is harmfull about this practice?

When the computer is turned on there is a slight surge of electricity. Although the computer is designed to absorb this surge for the average off and on use of the computer, it is not meant to absorb constant power surges. What a reset switch will ko is just what the name implies; it resets the computer just as if you had turned it off then on.

Now let's get down to hooking up a reset switch. Looking at fig. 1,you will see that it is a diagram of the user's port. In looking at Fig. 1 you will see that there are 24 pins in the user's port. We will only be interested in pins 1 and 3; with 1 being the ground and 3 being the reset. On the computer pin one will be the first connection on the top left corner of the port when looking directly into the back of the computer. By soldering one end of a piece of 28 gauge wire to each of these pins and the other end of each wire to a momentary switch(I used Radio Shack Submin #275-1571)you have a reset switch,see fig. 2. On the soldering be sure to use only a 25 watt or less soldering iron with a fine tip and rosin core solder. The momentary switch is better than any other switch because you only have to complete the circuit for a brief moment to do the job. I ran the wires out the side of the computer,between the two halves of the case, to a holder I had made out of round plastic and attached the switch holder to the side of the computer with double face tape. You could also drill a hole in the top or side of the computer to mount the switch. The one thing to be sure of is that the wires are attached to the very back of the user port so you can also attach other accessories.

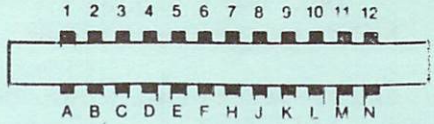


FIG. 1

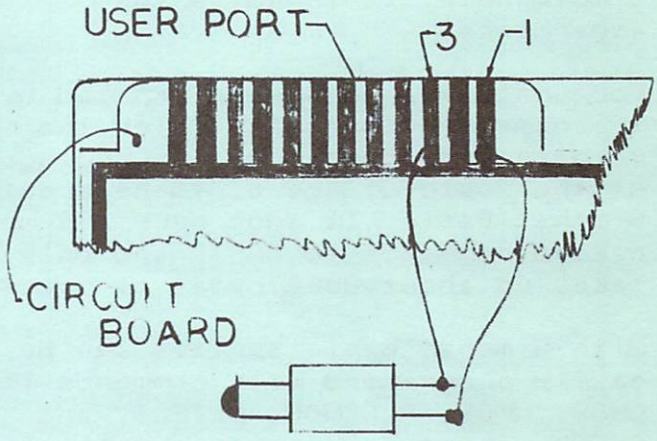


FIG. 2

MEMBERSHIP COMMITTEE

We are in the process of putting together a committee to take on the task of recruiting and maintaining the membership lists and mailings. The job has grown to large for the Secretary to keep up with and still take care of all his other jobs. (especially correspondence) If you are interested in this effort please contact me at 235-9710.
V.L.

ELECTIONS

Nominations for GCC officers will be taken at the December meeting. If you wish to be included on the ballot, contact Gary Vogel at 235-1837.
The elections of officers will be done at the January meeting by secret ballot. The new officers willtake office at the conclusion of the meeting.

****
SIMONS' BASIC
by
Dr. Gary Vogel
****

If you enjoy writting your own C-64 programs, I'll bet you just hate trying to use sprites or music. As you already know Commodore BASIC requires an endless series of Peeks and Pokes and a knowledge of binary numbers if your want to move an object on the screen or even play a simple note. It is not a fun experience.

Fortunately a young English lad by the name of Simon has filled the void in Commodore's Basic Language. At the youthful age of 16 he created Simons' Basic. It adds over 100 well needed commands to BASIC and only takes up about 8000 bytes of space.

With Simons' Basic sprites can be easily programmed with commands like CMOB, MMOB, RLOCMOB, DETECT, and CHECK. There is even an excellent sprite editor grid for designing the sprites. These five commands make playing three part harmonies or simple notes very easy: VOL, WAVE, ENVELOPE, MUSIC, and PLAY.

Have you tried to create a high resolution screen on your C-64? You do it with something called bit mapping and then a whole bunch of Peeking and Poking. Once I had the hires mode I still couldn't draw a line or a circle on it. With Sinmons' - no problem!! If you want a hi resolution screen, then just type HIRES. What could be easier? Once you are in HIRES look at a few of the commands you can use: LINE, CIRCLE, ARC(draws part of a circle), PAINT, DRAW, ROT(rotates a drawing), ANGL, TEXT(allows you to print any size text onto a HIRES screen).

There are also some fantastic screen manipulation commands. COPY allows you to dump a HIRES screen to a printer. HRDCPY dumps any low res screen to a printer. There are also several scrolling commands.

There are numerous debugging aids. TRACE displays the line numbers as the program runs. DUMP displays the values of all variables after a program has run. If you new a program and then realize you forgot to save it, just type OLD and your erased program will be back in memory!

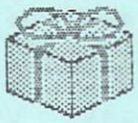
To put it quite simply, if you enjoy writing basic programs, get a copy of Simon's Basic. It makes programming the C-64 sooooo easy.

****

COMPUTER ART CONTEST

we will be holding a computer art contest at the December meeting. The contest is open to all paid members. The art must be drawn by a computer with assistance from the operator. All pictures must be in black and white and be an original.

The winner, decided by a majority vote, will be awarded their choice of either a one year extension on their membership dues, or a box of disks.
V.L.



NEWSLETTER EXCHANGE

We are looking for any Commodore clubs that are willing to exchange newsletters with us. We are trying to build a library of articles for our newsletter. If you know of any club that might be willing to exchange newsletters with us please contact Joel Minto at 744-1242.

****
FILE NOT FOUND
or
HOW TO READ THE
DISK ERROR CHANNEL
****

Here's the picture: Your are trying to load a program from the disk drive and all you end up with is a blinking red disk light and a sketchy message about FILE NOT FOUND. However, to find out what the real problem is you will need to read the disk error channel. This can be easily done by entering and running this program:

```
10 OPEN 15,8,15: REM  OMIT IF ALREADY OPEN
20 INPUT#15,A,B$,C,C
30 PRINT B$
40 CLOSE 15
```

This must be entered into memory. It cannot be used in the immediate mode. When the program is run in response to a blinking red disk drive light, it will tell you the true reason for the disk failure. Unfortunately, if you have a program in memory, and you use the above to read the error channel, you will destroy the program in memory.

However, if you use the WEDGE or you have the 1541 FLASH, the error channel can be easily read by pressing the '@' key and RETURN. This will leave any program in memory intact while also displaying a very complete error message.

Pages 42-46 of the 1541 USER'S MANUAL, present a nice listing of all the error messages that the above program or WEDGE command can give you. If, for example, you are having a problem loading a program and you don't know why, reading the error channel will give you the exact cause of why the FILE WAS NOT FOUND!

-Gary L. Vogel-

****

****
ELECTION OF
NEW OFFICERS
****

Just a reminder: Elections of new officers will take place in January, 1985. We definately need nominations since several of the present board members will be retiring from their postions.

If you have any interest in helping to organize and run our club please contact Gary Vogel (235-1837). Remember, you do not have to be knowledgable about computers or programing to sit on the board!

****

NEW MEMBERS—

All of us at the Gateway Computer club would like to welcome to the fold the following new members:

Mike Maddux
Mark Bauman
William Broadwater
William Broda
Dorothy Lauf
Ernest Meyer Jr.
Rick Schaefer

Dues Due—

For the following members, dues were due in November:

Richard Batten
Linda Beutel
Phillip Catalfamo
James Dick
Marvin Hirschman
Bob Jager
Brian Labuda
Joseph Lang
Pamela Line
Paula Mitby
Leo Ohms
Steve Rydgig
Emmett Salmons
Stephan Webb
Stan Wierciak

Looking—
over the secretary's desk

Congratulations are in order for a job well done to Earl Salmons and his helpers on the success of the Computer Fair! I hope most of you made it past the booth to lend your support even if you were unable to work. I have received mail from new and potentially new members so it just had to be a success.

I do hope the modem owners (and future modem owners) are planning to attend the November meeting, the featured speaker will be JOE BARTTLETT from COMP-U-SERVE. Due to Joe's busy schedule we give him the floor whenever he arrives, so plan to attend early! Also Dr. Gary Vogel and yours truly will give a short presentation on Data Bases. I will demonstrate Superbase 64 and Dr. Vogel will cover the Oracle. I use Superbase 64 for the clubs' membership data. I have been frantically trying to update that data and by the time you read this you should have received a phone call asking about your specific information. If you have not heard from me, please phone me at home any evening (235-6484). The sooner I get an update, the sooner I can publish a list of members.

**********CONTEST**********

Do you know how to draw? Can you draw an original picture with your 64 and printer? Well, bring it to the DECEMBER XMAS PARTY (along with some cookies), put your name on it, and stick it to the wall with a small piece of tape, and we will vote on the best work of art. The prize...how does one full years dues sound? Thats' right, if your drawing is selected as the best, I will move the date your dues become due forward ONE WHOLE YEAR!!! Enter as often as you like, use doodle, or any program you desire, just put your name on each entry.

Like politics? Got your eye on one of the officers jobs? Election of Officers will be held in Jan., Nominations in Nov. and Dec. If you are not inclined to hold office, why not nominate a friend...what a great Xmas gift! If you have someone in mind, see Dr. Vogel-Chairman of the nomination committee.

A CHANGE in the disk of the month...from now on the disk of the month will consist of a disk pulled directly from the Library. Think about it, if you copy several disks from the library, isn't it just a little disappointing to find that you have most of the programs on the DOM, but you still have to buy it for the few you don't have. Now you will either have the whole disk or none of it.

We have experienced a terrific buy on disks for the club...These will be sold at $15 for a box of 10. Single purchases will still go for $2 per disk. The club just put all of its assets in disks, so we need your support if you want to see a bulletin board, a computer for the Librarian, and various other supplies for the club. Give these disks a try, the price is right.

One last comment, I am sooo embarrassed about the last line of my Oct column. After finishing by column, I forgot to run it past Easy-Spell (and so did I-ed.). This time I sincerely hope the spelling is better. Thanks for all the comments, keep those cards and letters coming (we need input!) and see ya at the meeting.

P.S...For those that asked why it's never in the newsletter-the meetings are the 3rd Wednesday of every month in the Social Security office building (used to be Hiken Furniture) at 218 West Main St. in Belleville, on the 2nd floor (enter from the parking lot on the West side of the building).

Rich Fisher, Sec'y

to come by than you would think.

COPY A nk.

COPY A FILE	@C:newname=oldname
DIRECTORY	@$
SELECTIVE DIRECTORY	@$:program name
FORMAT A DISK	@N:diskname,ID
INITIALIZE DISK DRIVE	@I
LOAD BASIC PROGRAM	/program name
LOAD & RUN BASIC PRG.	↑program name
LOAD M.L. PROGRAM	%program name
QUIT WEDGE	@Q
RENAME A PROGRAM	@R:newname=oldname
SAVE PRG. TO DISK	(left arrow key then prg. name
SCRATCH A PROGRAM	@S:program name
VALIDATE DISK	@V
SAVE WITH REPLACE	@:program name

(Not recommended since it may result in a bad save. It is better to save the new program copy under a different name and then scratch the original.)

SET ACTIVE DEVICE #	@#n

If you prefer you can substitute / for the @ symbol.

If you want to copy the WEDGE onto another disk, you cannot merely SAVE it to a different disk. The BASIC loader program can be copied but the WEDGE is a Machine Language program. To copy it you will need a program that can copy M.L. files.Fortunately, the Club's extensive library has some copy programs that will move Machine Language files from one disk to another. Many computer hobbyists like to have the WEDGE on each of their disks. They usually rename the loader program and call it '!' or some other easily remembered symbol. Why do this? Because when you get ready to work with the disk you can first load the WEDGE by typing LOAD"!",8 and it is ready to use. Again, the power of the WEDGE is in the time it can save.

One of the reasons I like the WEDGE is the way it will load a directory. If you have a program in memory and you want to view a disk directory using LOAD"$",8 will destroy the present program in memory. However, if you use the WEDGE and @$, the directory will be displayed and the program in memory will be unharmed.

So dig out the TEST/DEMO disk and put it to work. Soon you will ask the same question I did, "Why didn't Commodore just put this helpful program inside the darn disk drive memory to begin with?!!"

As a closing reminder: In last month's issue of the Gazette Lee Parrish reviewed the new 1541 Flash. If you install one of these goodies, all of the Wedge commands are available when you power up the computer. If you are serious about computing, I highly recommend this new product. It will load and save three times faster, has several screen editing commands, and the Wedge itself all available when you turn on the computer.

Software Or Systems

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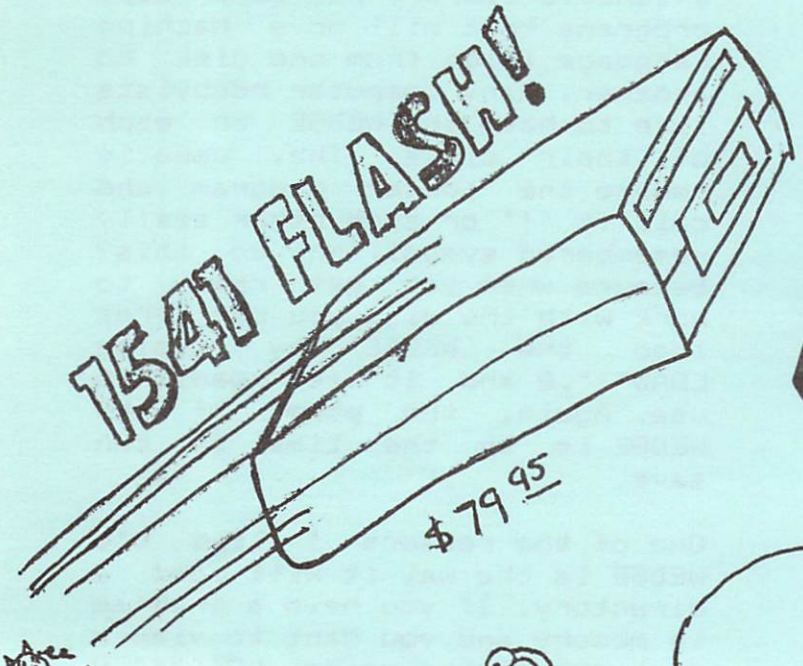
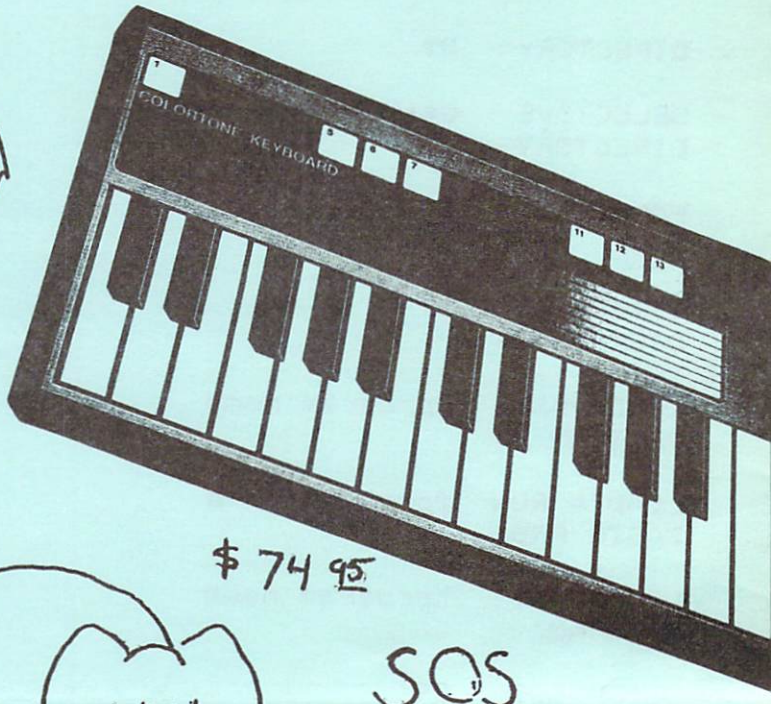
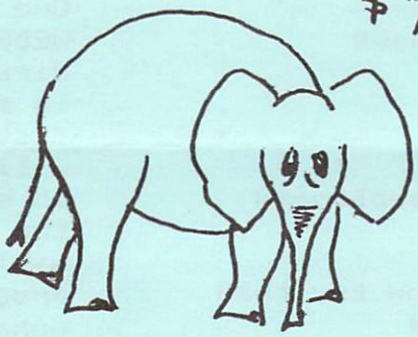
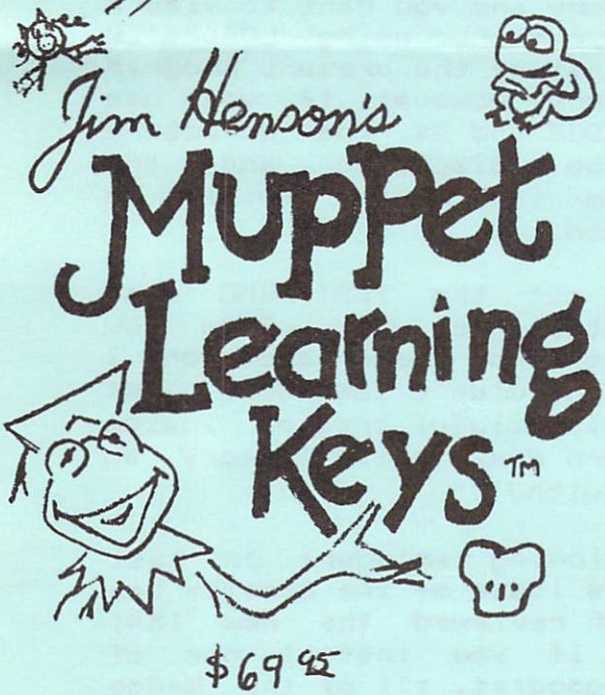






SOS
'NEVER FORGETS'



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WordPro 3 Plus /64 Modification

The following article appeared in the October issue of Compute. Apparently many people were experiencing difficulty with the new Commodore 1526 printer and the Wordpro software. The following memo is from Professional Software....

Due to the internal timing differences between the new Commodore 1526 printer and most other printers on the market, WordPro 3 Plus/64 must wait longer than "normal" before attempting to print on the 1526 printer. Because of this timing diference, your WordPro 3 Plus/64 program will need to be modified before attempting to use it with the 1526 printer.

The BASIC program below will perform this modification. Since the modification is performed right on the WordPro disk, once the modification program is run, it does not ever need to be run again. Note the program must be entered exactly as shown, as it may damage the WordPro program if entered incorrectly.

DO NOT USE ANY CAPITAL LETTERS

```
10 rem copyright 1984  professional
software inc
20 open 1,8,15,"i0"
30 open 5,8,5,"#"
40 print#1,"ul 5 0 13 11"
50 print#1,"b-p:5 30"
60 print#5,chr$(208);chr$(51);
70 print#1,"u2 5 0 13 11"
80 print "done":close1:close5
```

Next type "list" and press <return> to list the program. Carefully check the program and then remove the write protect tab, and insert the system disk into the disk drive and close the door. Type "run" and press <return>.

The drive activity light should come on momentarily and the disk will spin. After a few seconds the words "done" and "ready" should appear on the screen. The modification should now be complete.

If an error message appears on the screen or the disk drive activity light flashes, the program has been incorrectly entered or the write protect tab has not been removed. Carefully recheck the program and repeat theabove steps.

Further information on this modification can be obtained by writing:

Professional Software Inc.
51 Fremont St
Needham, MA 02194

Hope this has helped some of you
ED.

TWINKLE, TWINKLE, LITTLE STAR? For a quick visual sensation enter and run this simple program:

```
10 A=RND(1)*23
20 PRINT SPC(A)"*"
30 FOR T=1TO40:NEXT
40 GOTO10
```

Can you figure out how to make the stars randomly colored? In next months' issue we will publish at least one way to achieve this effect.

****
ART CONTEST
****

The December topic for our meeting will be Art & The Computer. In keeping with this topic we will have an art contest. We want you to create something artistic with your computer and bring it along to the meeting. You can use one of the commercial programs such as DOODLE or a program of your own creation.

The Grand Prize: Lots of Ooo's and Ah's plus one free year of membership in the Gateway Computer Club! (If you've recently paid your dues, we'll extend your your membership for an additional year.)

Feel free to enter more than one of your creations.

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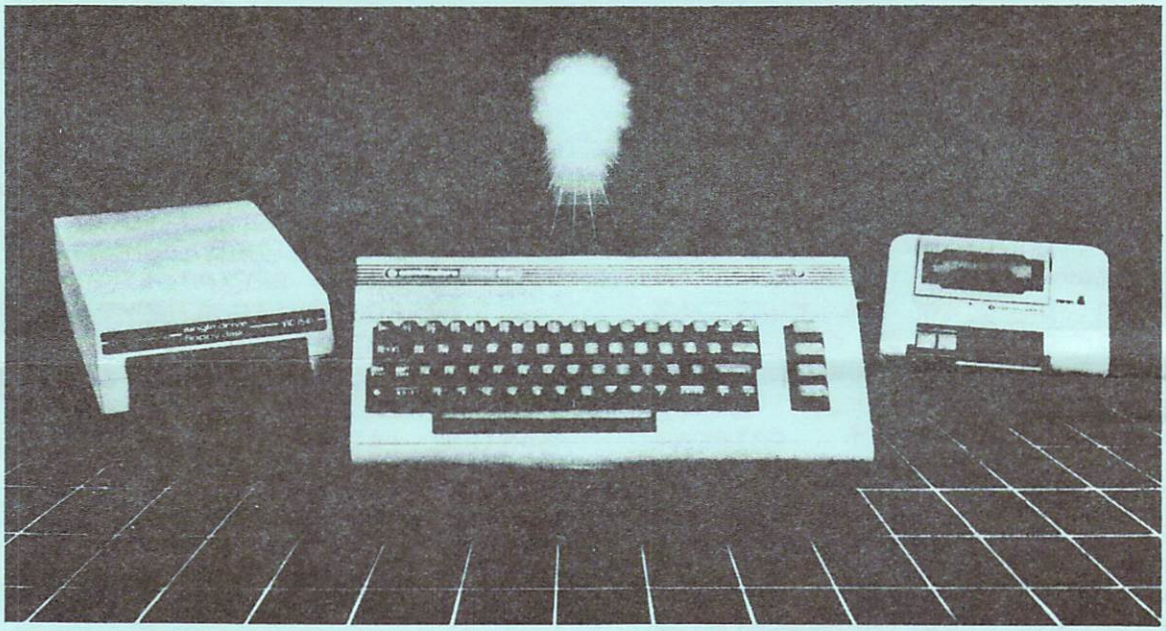

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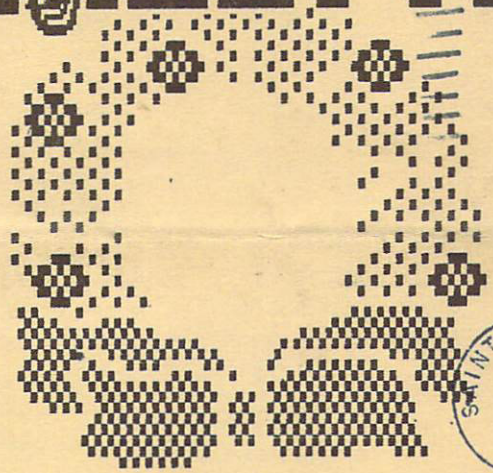
Dec. '84

GATEWAY COMPUTER CLUB'S GAZETTE



GATEWAY COMPUTER CLUB

PO BOX 207
BELLEVILLE IL. 62222

The G.C.C. GAZETTE

EDITOR: Joel Minto

THE GAZETTE is published monthly by the GATEWAY COMPUTER CLUB as a membership service. Please direct all submissions and advertising to 1451A Galaxy Scott AFB, IL, 62225. Camera ready advertising must be received by the tenth of each month to be included in the issue of the following month. Rates are as follows: full page-$30.00, half page-$15.00, Quarter page-$7.50.

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THE CLUB

Membership fee is $15.00. Members receive access to our programs, literature, BBS. and newsletter. Direct all membership applications and questions to Rich Fisher, P.O. BOX 207, Belleville Ill., 62222.

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SECRETARY:	Rich Fisher.....	235-6484
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M.A.L. :	John Sundstrom..	397-7235
M.A.L. :	Gary Vogel.....	235-1837

NEW MEMBERS—

All of us at the Gateway Computer club would like to welcome to the fold the following new members:

Maddux, Mike
Tissier, Rick
Tomlinson, James
Warren, Michael D.

EDITORS VIEW

Once again the holidays are upon us and if you are like most other folks there just does not seem to be enough hours in the day to do all that is necessary. I hope most of you have your shopping done.

This month the newsletter is made up of only our own authors and it is still 10 pages long. Although this has been a shortened year for me as your editor it has been rewarding. It has been fun to watch our newsletter really come into its own.

With the club exchange starting to pick up I have a backlog of real good articles to publish in the upcoming months. My policy however is that all local talent will be published first.

As you have already noticed I changed the cover of our newsletter for the holidays. I get bored seeing the same thing month after month. Unless I get a strong reaction from the membership I may continue to change the cover. Maybe it would be a good idea to run a contest to design the front of our newsletter. I think I'll bring that up at the next board meeting.

There is a lot of things to do in the next couple of weeks, but don't forget our Christmas party at the general meeting. And lets all not forget why we celebrate this time of the year. My family and I would like to take this opportunity to wish allof you a Merry Christmas and a joyous New Year.

ED.

FROM THE TOP

MERRY CHRISTMAS

This Month's theme is probably apparent to all. But, it is also a time for reflection. And, with your indulgence, i would like to take a look at the year of 1984 with the G.C.C. With elections coming up in January, this could be the last column I will do.

The G. C.C. began 1984 i pretty rough shape. We started the year with tremendous growing pains. We were increasing in membership faster than we knew how to handle it. we were disorganized, had a lack of manpower,and, we had internal conflict.

I am glad to report that all of those problems are now history. In the first quarter of this year, I had doubts as to whether or not the G.C.C. would survive. But, in the last six months we have taken on a new direction and a new drive and commitment. We are strong, healthy, and prosperous. It looks a though the G.C.C. is here to stay, as a dominate force in commodore computers, for many years to come.

i think i should make note of some efforts by board members that are above and beyond the call of duty. First on my list is Tom Metzger. He has continued the great job that had been done by his predecessor, Dale Costello. Then he added many new ideas of his own. He improved the quality and size of the library. And, he got us a great deal on disks for the club. He has given us one of the largest and best organized club libraries in the midwest. He did this at the expense of his time and equipment.

Speaking of sacrificing time, we should make special note of Rich Fisher. He started out the year with a job which was nothing more than a glorified postion on the executive board. He has turned it into one of the most important, if not the most important, positions in the club. Rich not only takes care of normal secretary duties (minutes etc.) but he has spent many, many hours developing an excellent data base for the club to keep records on. We now have an extensive data base to tell us anything we wish to know about ourselves. I am very impressed with it's retreaval capabilities. And, with the club being listed nationally, he now has a lot of correspondence to keep up with. His position has grown so large it is, now, really a two man job.

Another man turning a shambles around is Joel Minto. When i announced in March i could no longer attempt to do the newsletter, he jumped in and took the bull by the horns. He has not missed a month since, and has made the G.C.C. NEWSLETTER one of the best in the midwest. And i can assure you that this was done at tremendous effort, time and equipment on his part.

As a M.A.L., John Sundstrom had little to do, except give us guidance and advice, which he did very well. But, this summer it was decided that we needed to do more for the novices in the club. John volunteered his valuable experience and vast knowledge. He has passed along to the new members huge amounts of information, and has provided one the most rewarding segments of the meetings.

Last but not least, there is Gary Vogel. He has given a lot of time, effort, experience and knowledge to the club. He has filled in many gaps and jobs that needed to be filled immediately. His help has been invaluable to the club. Gary has been Joel's right hand man in getting the newsletter out. If it were not for him, we may not have had a newsletter in November, because Joel was stationed in Europe for a month.

It has has turned out to be a most rewarding year. With people like this the future of the G.C.C. is assured. I am now looking forward to 1985. It can now only bring bigger and better to the club.

I personally wish each and everyone of you a very merry CHRISTMAS and a happy new year. May GOD be with you and all those near and dear to you.

VINCE LE PES
G.C.C. PRES.

LIBRARY NEWS

BY TOM METZGER

The Library File

WANT FREE PROGRAMS?
So do we. And we can all get them--by sharing. Anyone donating a decent program to the library will recieve his/her disk back filled with a copy of any disk in the library. What's a decent program? I'll be the judge of that (because I take the criticism for what is accepted). For starters, it should be Commodore 64 compatible, public domain, not already in the library and of interest to the general membership. Just give your disk to any board member or mail it to me, along with your copy request.

Qur new disk supply has arrived. We now have 500 Memorex ssdd (single-sided, double density) disks available for purchase. Price is $15.00 for a package of 10, or $2.00 per individual disk.

More good news...an updated version of our library catalogs--a disk containing all of the disk directories in our library--will be available on a free exchange basis starting in January. You may recall that the library catalog was the September 1984 Disk of the Month. To get an updated version, just exchange your old catalog for a new one.

COPY SESSION

On Saturday Jan. 19, 1985, we will have our first copy session of the year. It willbe held at the usual place from 10AM to 4PM. It will be open to members in good standing only. You must be a paid member or you will not be allowed to come in .....NO EXCEPTIONS
V.L.

G.C.C. BBS

The G.C.C. will now have its own section on the BBS running at S.O.S. This section will be a private board for club members only. It is a 24 hour BBS on line at 235-3555. Club news, bulletins, etc., will be posted here. Messages from members can be left on this board also for other members to see.

This is being done on a temporary basis to see how much business a club BBS will get. It is also a way the club can get on line until we can afford the equipment to support a BBS. (aprox. $1000.00)

There is no charge to use the S.O.S. BBS and you only need to be a paid club member to get into this pecial section. See you there starting 12/16/84.
GCC BBS -- 235-3555

Vince

FOR SALE-
All new Items:

1ea. MSD-CPI Parallel Interface with switch selectable features for C64/V20 $25.00

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If interested in any of the above contact William Broadwater Ph. 618-877-2488

CHRISTMAS PARTY

Since this is the season of parties, we do not intend to be any different. For the most part the December meeting willbe a CHRISTMAS party. We will provide the music and punch and only ask that you bring a festive mood and your favorite cookies for all to share.
V.L.

Commanding your Disk Drive

by Tom Metzger

If anything is more difficult than learning to use a new computer, it is learning to use the disk drive. The first time I wanted to save something, it seemed to take hours for me to learn to format a disk. If you have yet to learn about your 1541, read on.

To send a command to your drive, you must tell your computer that the command is to go to the drive. This is usually done by the following three commands:

```
OPEN 15,8,15
PRINT #15,"COMMAND"
CLOSE 15
```

The word "command" in the second line will change according to the function the drive is to perform.

FORMATTING
NEWING
HEADERING

The fact that this paragraph has threeheadings indicates the source of my original problem...I wanted to format a disk, but the manual would only tell me how to "new" one. This command tells the drive to do the disk equivalent of drawing writing lines on a blank sheet of paper. It also tells the drive the name (up to 16 letters and numbers) you want on the disk, and the (optional) two-character ID code that appears on the "header" of the directory.

```
COMMAND=NO:diskname,ID
```

For example, assume you had a several music synthesizer programs you wanted to put together, and you wanted to put them on a disk called "synthesizer". Assume also that you sort all disks by program type, and this disk will have the ID of M1, meaning your first music disk. You would simply insert a disk and type the following:

```
OPEN15,8,15
PRINT #15, "NO:SYNTHESIZER,M1"
CLOSE15
```

NOTE THAT THIS COMMAND WILL ERASE ANYTHING THAT MAY BE ON THE DISK. Before using it, always check the directory to see that there is nothing valuable on the disk.

COPY

This very useful command allows you to duplicate a file (program) on the same disk, provided the duplicate has a different name.

```
COMMAND=CO:NEWFILENAME=OLDFILENAME
```

The name needn't be very different--only one character need be changed. For example, your synthesizer disk has a program called FUGUE that you run frequently, and you want a backup copy (to be called FUGUE2) on the disk in case you wear out the original. The second line above could be...print#15,"c0:fugue2=fugue"

RENAMING

Change your mind about the name you gave that last program? Did your fingers slip while typing that last command, leaving you with a file called "fuggue"? Then take heart; this one's for you

```
COMMAND=RO:NEWNAME=OLDNAME
```

SCRATCH

Three months later you are browsing thru the directories of your music disks and find you have seventeen copies of "fugue" on six disks (fugues multiply like empty coathangers). To eliminate the unwanted extras, simply use

```
COMMAND=SO:FILENAME
```

Well, 1541 fans, that's about it for the disk drive commands, except for the load and save commands; these were covered in our November 1984 issue. We can repeat them, discuss the "wedge" commands (easier ways to do all of the above), or move on to another topic. Let us know your preferences.

FREE DOM

We are offering free of charge, disks of the month to any eligible member. To qualify you must do one of the following:

1. Pay your dues on time!
2. Bring a new person to the general meeting. They must join that night.

Its simple, hope you get one soon.
V.L.

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HUNDREDS OF PROGRAMS ARE AVAILABLE.
ASK ABOUT OUR SYSTEM PACKAGE

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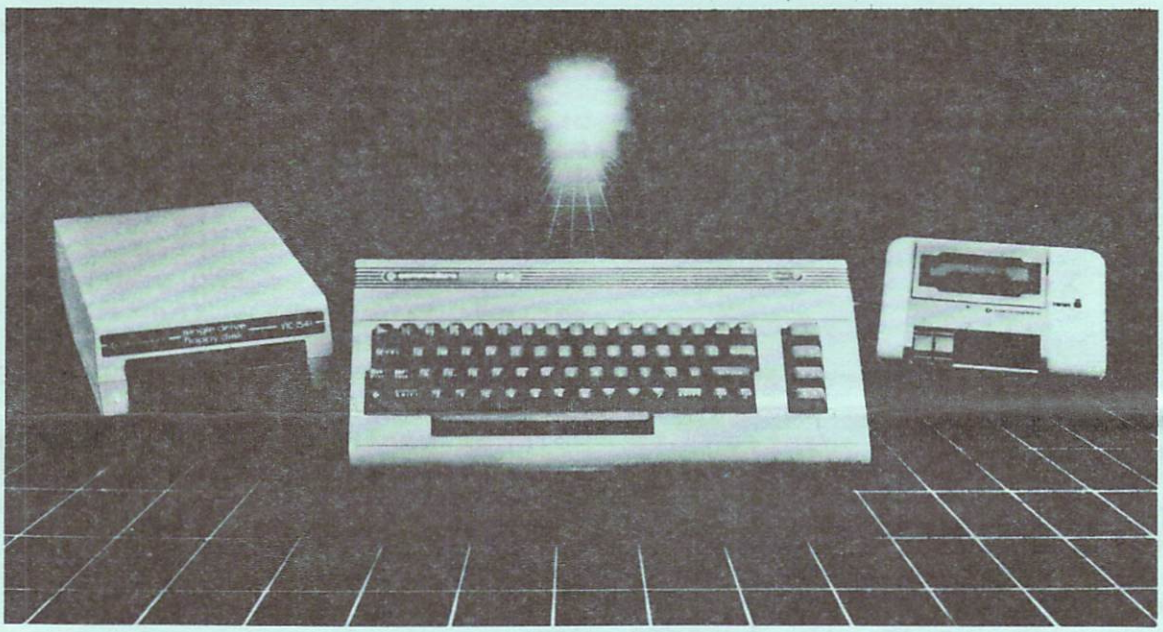

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LOOKING

OVER THE SECRETEARY'S DESK

SEASONS GREETINGS-from your Secretary and my family to you and yours! Well, in spite of a minor problem last month's meeting was a great get together. I believe the attendance was one of the largest we have ever had.

APOLOGIES-Joe Bartlett (you remember, the promised guest speaker from Comp-U-Serve) just plain forgot about our meeting. Our Pres. went to bat and Mr. Bartlett has once again promised to attend the December meeting, so BE-THERE!

DOM-You will definately be interested in the Disk Of the Month for December as it will be a collection of new programs downloaded from Comp-U-Serve. These programs are new to our Library so chances are you haven't seen any of them.

PARTY-Don't forget to bring a few cookies, or a little snack treat (we will provide the liquid) for the Christmas Party. Also, don't forget your membership card, if you don't have one see me as soon as you get there.

CONTEST-One more thing to bring along is your drawing for the gigantic contest. If you don't have a printer bring your computer, drive, and monitor and put your favorite drawing on the screen, that also counts. In order to keep everyone's chances even, no COLOR printouts will be allowed! The prize-One Years Dues or since a lot of people just paid their dues, a 10 pack of disks (your choice).

COPY SESSION-Jan 19, 1985 will be the next copy session. Note-Members only will be permitted. If non-members show up, they will be asked to join or leave. Remember, use of the Library is for members, if your non-paying friends want you to get them programs for free, ask them to join and help build our membership.

MAIL-Boy, just get your name in a couple of national magazines and your mailbox will be overtaxed. We are getting a lot of offers thru the mail, and I will place them in a loose-leaf binder for all to view during the open session of the meeting.

BEGINNERS-Big John Sundstrom is back in town and will be ready to answer your questions. Bring your problem programs and have John debug them for you.

ELECTIONS-What a great Christmas gift, Nominate your best friend for office! Elections will be held during the Jan Meeting. Bring your membership card, and at least one 3X5 blank, white card. Nominations will be held at the December Meeting.

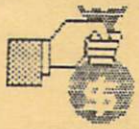
LAST-I hope everyone received at least a little benefit from my small talk on SUPERBASE 64. I was soooo convincing, that I went home and completely re-wrote the clubs database. Now it contains an eight character key field and searches very fast. If you haven't as yet been contacted by me in regards to publishing your name & address, please call me. As soon as I have heard from everyone, I will publish the approved membership list.

PS- if you have a modem call 235-3555 and look for the GATEWAY COMPUTER CLUB on a section of that Bulletin Board. Vince put in a new phone line and has been kind enough to donate a corner of his bulletin board to the club (Three cheers for the Pres!). Well, I said last two items ago so see ya at the meeting.
Rich Fisher, Sec'y

Dues Due—

For the following members, dues are due in December:

Blackburn, Tom
Butler, Chris
Clark, William Jr.
Dennard, R.Douglas
Fries, Matthew
Mathis, Harold
McDade, Bill
McKinnon, Rex
Scott, Bryon
Smith, Steven
Vogel, Gary



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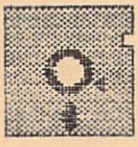

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